

1 ascolorbox の使い方ガイド

tcolorbox マニュアルを参考に、新たに作成された box です。ascolorbox は主に `\DeclareTColorBox` を用いて定義されているので、引数が豊富です。box は環境として定義されているので、使い方は通常の tcolorbox に準じます。

```
\begin{simplesquarebox}[\langle subtitle \rangle]{\langle title \rangle}[\langle thickness \rangle][\langle options \rangle]
  \langle environment content \rangle
\end{simplesquarebox}
```

枠で囲むだけのシンプルなボックスです。itembbox.sty が提供する itemsquarebox を参考に作成しました。`\langle subtitle \rangle` で省略可能なサブタイトルを、`\langle thickness \rangle` で枠の太さを指定できます。枠線の太さのデフォルト値は、.5 (pt) です。現時点では、ページまたぎには対応していません。(ver1.02 の時点。いずれ対応させる予定です。) また、empty skin を利用しているので、`colback=gray` といった option が適用されないのが注意が必要です。

```
\begin{simplesquarebox}[subtitle]{My title}
\lipsum[1]
\end{simplesquarebox}
```

[My title] <subtitle> —————

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

```
\begin{simplesquarebox}{My title}[1.5][colback=gray]
\lipsum[1]
\end{simplesquarebox}
```

[My title] —————

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

```
\begin{practicebox}{\langle title \rangle}[\langle options \rangle]
\langle environment content \rangle
\end{practicebox}
```

練習問題用の box です。〈options〉部分で自由に options を追加できます。また、ページまたぎに対応しています。

```
\begin{practicebox}{Title of an exercise}
\lipsum[1]
\end{practicebox}
```

練習問題

Title of an exercise

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

```
\begin{ascolorbox1}[\langle subtitle \rangle]{\langle title \rangle}[\langle options \rangle]
\langle environment content \rangle
\end{ascolorbox1}
```

tcolorbox マニュアルにある box を白黒にしたものです。省略可能な 〈subtitle〉を指定することができ、〈options〉で自由に options を追加できます。ページまたぎに対応しています。

```
\begin{ascolorbox1}[subtitle]{My title}
\lipsum[1]
\end{ascolorbox1}
```

My title 〈subtitle〉

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

```
\begin{ascolorbox2}{\langle title \rangle}[\langle option \rangle]
\langle environment content \rangle
\end{ascolorbox2}
```

tcolorbox マニュアルにある box を白黒にしたものです。〈options〉で自由に options を追加でき、ページまたぎに対応しています。

```
\begin{ascolorbox2}{My title}
\lipsum[1]
\end{ascolorbox2}
```

My title

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

```
\begin{ascolorbox2}{My title}[colframe=red!50!white, coltext=red!50!black]
\lipsum[1]
\end{ascolorbox2}
```

My title

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

```
\begin{ascolorbox3}{\langle title \rangle}[\langle color \rangle][\langle option \rangle]
\langle environment content \rangle
\end{ascolorbox3}
```

tcolorbox マニュアルにある box を改変し、白黒にしたものです。〈color〉の部分で色を指定することで、枠の色を変更できます。

```
\begin{ascolorbox3}{My title}
\lipsum[1]
\end{ascolorbox3}
```

My title

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

```
\begin{ascolorbox3}{My title}[orange][coltitle=orange!50!black]
\lipsum[1-5]
\end{ascolorbox3} %following text
```

My title

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

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Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus.

Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

Quisque ullamcorper placerat ipsum. Cras nibh. Morbi vel justo vitae lacus tincidunt ultrices. Lorem ipsum dolor sit amet, consectetur adipiscing elit. In hac habitasse platea dictumst. Integer tempus convallis augue. Etiam facilisis. Nunc elementum fermentum wisi. Aenean placerat. Ut imperdiet, enim sed gravida sollicitudin, felis odio placerat quam, ac pulvinar elit purus eget enim. Nunc vitae tortor. Proin tempus nibh sit amet nisl. Vivamus quis tortor vitae risus porta vehicula.

Fusce mauris. Vestibulum luctus nibh at lectus. Sed bibendum, nulla a faucibus semper, leo velit ultricies tellus, ac venenatis arcu wisi vel nisl. Vestibulum diam. Aliquam pellentesque, augue quis sagittis posuere, turpis lacus congue quam, in hendrerit risus eros eget felis. Maecenas eget erat in sapien mattis porttitor. Vestibulum porttitor. Nulla facilisi. Sed a turpis eu lacus commodo facilisis. Morbi fringilla, wisi in dignissim interdum, justo lectus sagittis dui, et vehicula libero dui cursus dui. Mauris tempor ligula sed lacus. Duis cursus enim ut augue. Cras ac magna. Cras nulla. Nulla egestas. Curabitur a leo. Quisque egestas wisi eget nunc. Nam feugiat lacus vel est. Curabitur consectetur.

```
\begin{ascolorbox4}[\langle subtitle \rangle]{\langle title \rangle}[\langle length \rangle][\langle option \rangle]
\langle environment content \rangle
\end{ascolorbox4}
```

オリジナルのボックスです。〈length〉で、実線と点線の幅を変更することができます。この数値に合わせて、四隅の正方形の半径、円弧の半径も変化します。デフォルト値は 3 ですが、二段組で利用する場合に 2 (pt) 以下にすると、見た目がすっきりします。

```
\begin{ascolorbox4}{My title}
\lipsum[1]
\end{ascolorbox4}
```

■ [My title] ■

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

■ ■

```
\begin{ascolorbox4}[subtitle]{My title}[2]
\lipsum[1]
\end{ascolorbox4}
```

■ [My title] <subtitle> ■

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

■ ■

```
\begin{ascolorbox5}[\langle subtitle \rangle]{\langle title \rangle}[\langle color \rangle][\langle option \rangle]
\langle environment content \rangle
\end{ascolorbox5}
```

オリジナルの枠です。〈*color*〉の部分で枠および文字色を変更できます。

```
\begin{ascolorbox5}{My title}
\lipsum[1]
\end{ascolorbox5}
```

My title

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

枠色やタイトル色, 文字色など, 一部の色だけ別に指定する場合には 〈*options*〉 で指定します。

```
\begin{ascolorbox5}[subtitle]{My title}[black!50!white][coltext=black!10!white]
\lipsum[1]
\end{ascolorbox5}
```

My title subtitle

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

```
\begin{ascolorbox8}{\langle title \rangle} [\langle option \rangle]
\langle environment content \rangle
\end{ascolorbox8}
```

tcolorbox マニュアルにある box を白黒にしたものです。

```
\begin{ascolorbox8}{My title}
\lipsum[1]
\end{ascolorbox8}
```

My title Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

```
\begin{ascolorbox9}[\langle subtitle \rangle]{\langle title \rangle} [\langle number \rangle] [\langle option \rangle]
\langle environment content \rangle
\end{ascolorbox9}
```

オリジナルのボックスです。〈number〉で丸模様の繰り返し回数を指定できます。デフォルト値は 3 です。二段組で利用する場合には、模様間隔が小さくなってしまうため、〈number〉を 2 にするといった対応が必要になります。

```
\begin{ascolorbox9}{My title}[3]
\lipsum[1]
\end{ascolorbox9}
```

My title

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.


```
\begin{ascolorbox10}[<subitle>]{<title>}[<thickness>][<option>]
<environment content>
\end{ascolorbox10}
```

box の上部と下部のみに線を引く box です。<thickness> の部分で実線の太さを変更することができます。デフォルト値は .8 (pt) です。

```
\begin{ascolorbox10}{My title}
\lipsum[1]
\end{ascolorbox10}
```

----- [My title] -----

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

鉄 $\text{T}_{\text{E}}\text{X}$ における答案段落環境では、左右に 1zw のインデントが入りますが、この box では入りません。左右にインデントを入れる場合には、`/tcb/enlarge left by` および `/tcb/enlarge right by` で調整することができます。これらの option は、ボックスの幅を保ったまま box の左右余白を変更するので、必要に応じて box の width を調整する必要があります。

```
\begin{ascolorbox10}[subitle]{My title}[1][enlarge left by=1zw, enlarge right by=1zw, )
( width=\linewidth-2zw]
\lipsum[1]
\end{ascolorbox10}
```

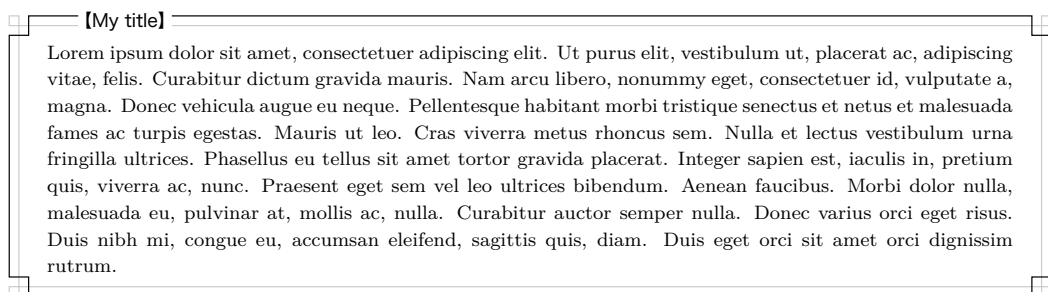
----- [My title] <subitle> -----

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

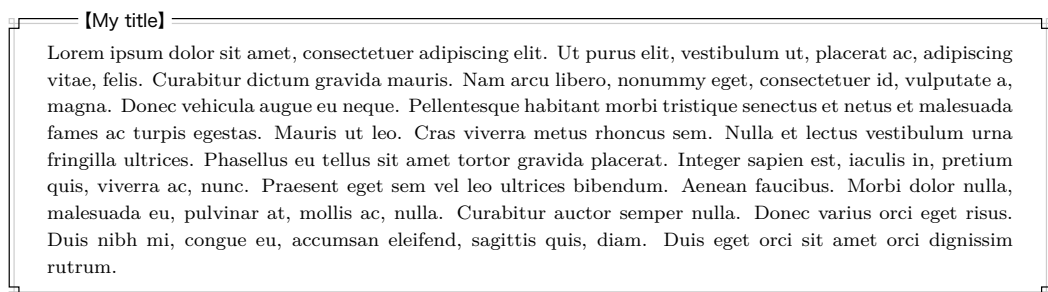
```
\begin{ascolorbox11}[\langle subtitle \rangle]{\langle title \rangle}[\langle length \rangle][\langle option \rangle]
\langle environment content \rangle
\end{ascolorbox11}
```

オリジナルの box です。〈length〉で四隅の薄い正方形の半径を調整することができます。〈length〉の値に応じて、実線の枠やその他の部分も自動的に調整されます。〈length〉のデフォルト値は 4 (pt) ですが、二段組などでは小さい値の方が適した見た目になります。

```
\begin{ascolorbox11}{My title}
\lipsum[1]
\end{ascolorbox11}
```



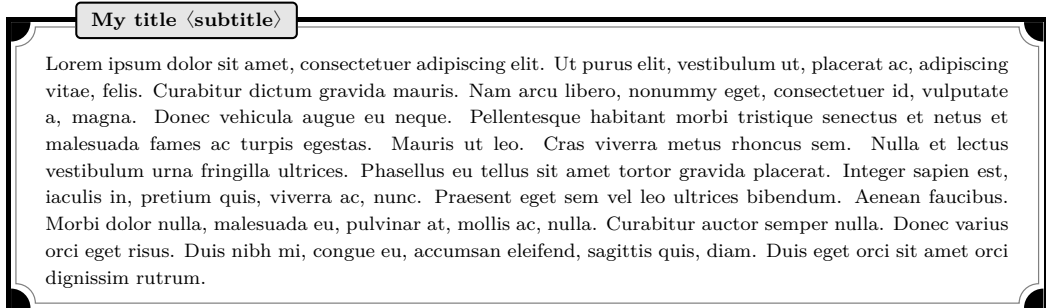
```
\begin{ascolorbox11}{My title}[2]
\lipsum[1]
\end{ascolorbox11}
```



```
\begin{ascolorbox12}[<subtitle>]{<title>}[<option>]
<environment content>
\end{ascolorbox12}
```

オリジナルの box です。

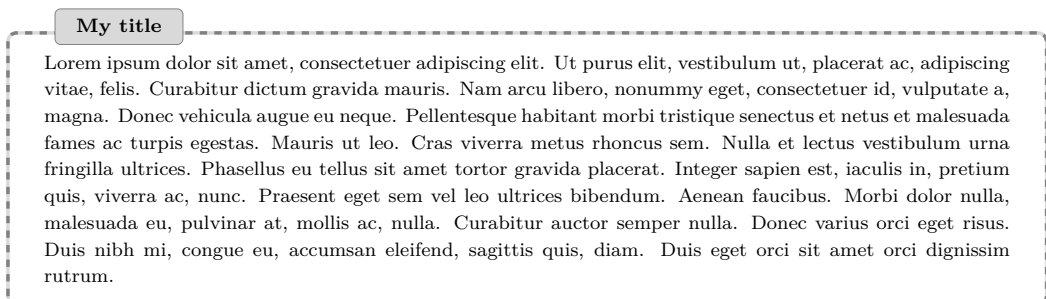
```
\begin{ascolorbox12}[subtitle]{My title}
\lipsum[1]
\end{ascolorbox12}
```



```
\begin{ascolorbox13}[<subtitle>]{<title>}[<option>]
<environment content>
\end{ascolorbox13}
```

tcolorbox マニュアルにある box を白黒にしたものです。

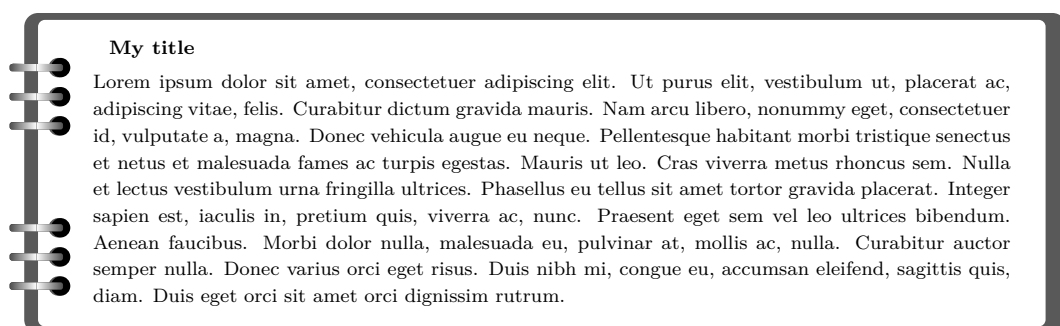
```
\begin{ascolorbox13}{My title}
\lipsum[1]
\end{ascolorbox13}
```



```
\begin{ascolorbox14}[\langle subtitle \rangle]{\langle title \rangle}[\langle option \rangle]
\langle environment content \rangle
\end{ascolorbox14}
```

`\overlay`によってノート風に仕上げられた box です。リングの位置は自動的に box の高さの 4 分点上に調整されます。

```
\begin{ascolorbox14}{My title}
\lipsum[1]
\end{ascolorbox14}
```



テキストの内容量が少なすぎると、リングが潰れてしまうので、ある程度の長さの内容に対してのみ使用することができます。

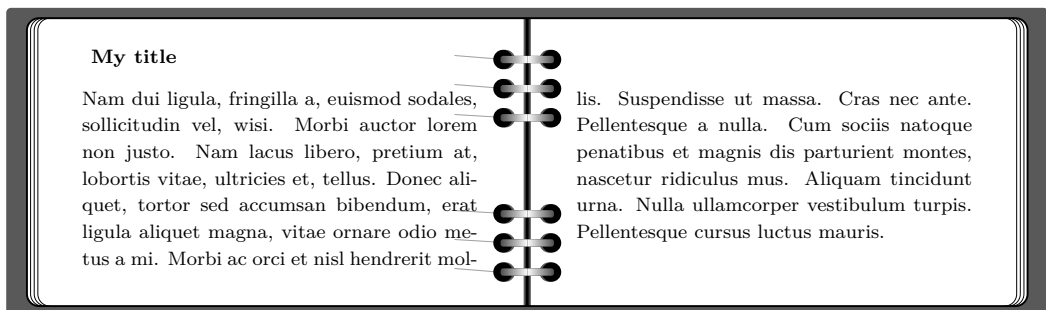
```
\begin{ascolorbox14}{My title}
Short text.
\end{ascolorbox14}
```



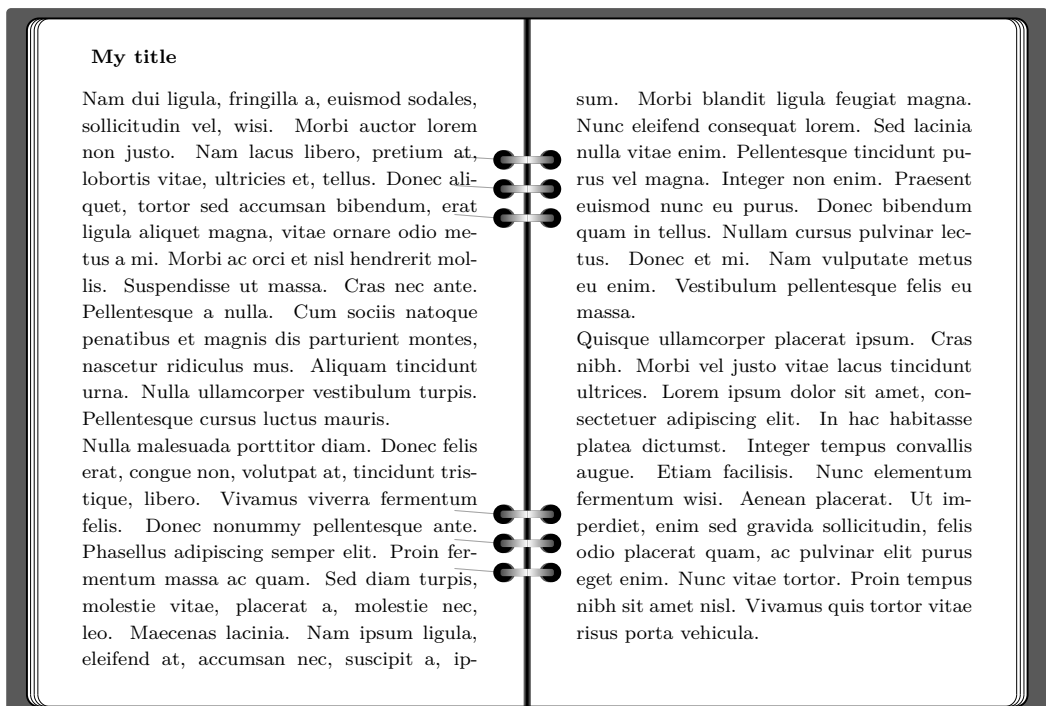
```
\begin{ascolorbox15}[\langle subtitle \rangle]{\langle title \rangle}[\langle option \rangle]
\langle environment content \rangle
\end{ascolorbox15}
```

見開きノート風の box です。中央のリングは ascolorbox14^{→P.12} と同様に 4 分点上に配置されますが、内容量が少なすぎると潰れてしまいます。

```
\begin{ascolorbox15}{My title}
\lipsum[2]
\end{ascolorbox15}
```



```
\begin{ascolorbox15}{My title}
\lipsum[2-4]
\end{ascolorbox15}
```



```
\begin{ascolorbox16}{\langle title \rangle}[\langle option \rangle]
\langle environment content \rangle
\end{ascolorbox16}
```

上下のみの装飾の box です。ascolorbox10^{→P.9} と類似しています。

```
\begin{ascolorbox16}{My title}
\lipsum[2]
\end{ascolorbox16}
```

My title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

```
\begin{ascolorbox17}[\langle subtitle \rangle]{\langle title \rangle}[\langle color \rangle][\langle option \rangle]
\langle environment content \rangle
\end{ascolorbox17}
```

かぎかつこ風の枠囲みです。グレーの部分の枠の色は、 $\langle color \rangle$ の部分で変更可能です。white とすれば、かぎかつこのみが残ります。

```
\begin{ascolorbox17}[subtitle]{My title}
\lipsum[2]
\end{ascolorbox17}
```

My title subtitle

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

```
\begin{ascolorbox17}{My title}[white]
\lipsum[2]
\end{ascolorbox17}
```

My title

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

```
\begin{ascolorbox18}{\langle title \rangle}[\langle option \rangle]
\langle environment content \rangle
\end{ascolorbox18}
```

マニュアルにあった box を参考に作成された ascolorbox です。

```
\begin{ascolorbox18}{My titele}
\lipsum[2]
\end{ascolorbox18}
```

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

My titele

一工夫すれば、タイトルの位置を調整することも可能です。

```
\begin{ascolorbox18}{My title}[attach boxed title to bottom left={xshift=1.2cm}]
\lipsum[2]
\end{ascolorbox18}
```

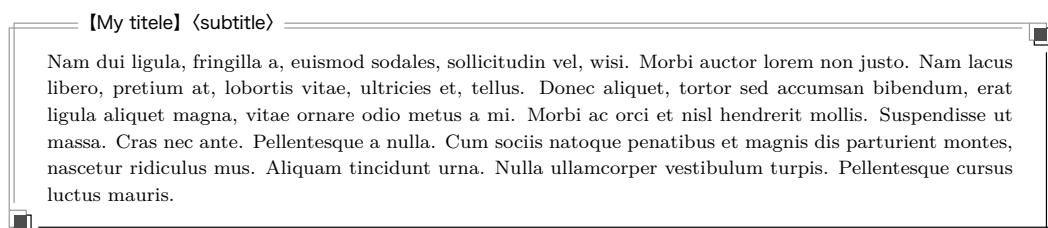
Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

My title

```
\begin{ascolorbox19}[\langle subtitle \rangle]{\langle title \rangle}[\langle length \rangle][\langle option \rangle]
\langle environment content \rangle
\end{ascolorbox19}
```

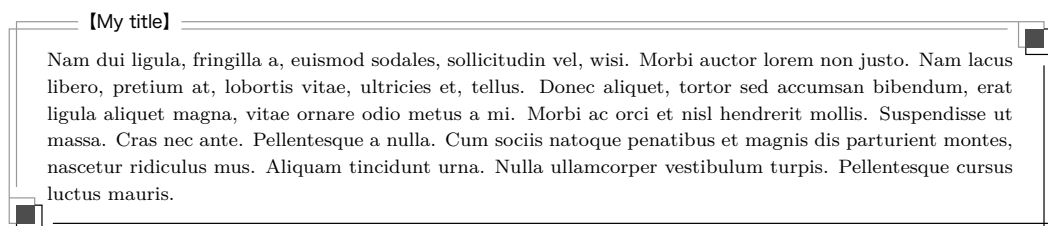
オリジナルの box です。左上の部分は black!40!white の色で、正方形の部分は black!70!white の色で、右下の部分は black の色で描かれています。

```
\begin{ascolorbox19}[subtitle]{My title}
\lipsum[2]
\end{ascolorbox19}
```



$\langle length \rangle$ の部分では、2本の直線の間隔を調整することができます。デフォルト値は 2 (pt) です。

```
\begin{ascolorbox19}{My title}[3]
\lipsum[2]
\end{ascolorbox19}
```



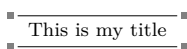
2 ascbox の使い方ガイド

`\ascbox` は、`\tcbox` に準ずる形で定義された box です。小見出しなどに利用する際に便利です。`\ascbox` の定義には主に、`\DeclareTCBox` を利用しているので、options も豊富に設定することが可能です。

多くの `\ascbox` は、引数部に `*` を加えることで、色調を反転させることができます。

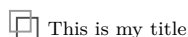
`\ascboxA[<options>]{<title>}`

`\ascboxA{This is my title}`

 This is my title

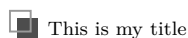
`\ascboxB<star>[<type>][<options>]<star>{<title>}`

`\ascboxB{This is my title}`

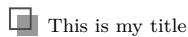
 This is my title

<type> において、A ～ E のいずれかを指定することで出力形式を変更することができます。出力形式のデフォルトは A となっています。また、*<type>* の前に `*` を付けることで、色調を反転させることができます。

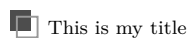
`\ascboxB[B]{This is my title}`

 This is my title

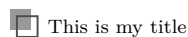
`\ascboxB*[B]{This is my title}`

 This is my title

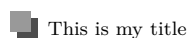
`\ascboxB[C]{This is my title}`

 This is my title

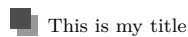
`\ascboxB*[C]{This is my title}`

 This is my title

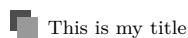
`\ascboxB[D]{This is my title}`

 This is my title

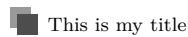
`\ascboxB*[D]{This is my title}`

 This is my title

`\ascboxB[E]{This is my title}`

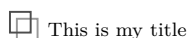
 This is my title

`\ascboxB*[E]{This is my title}`

 This is my title

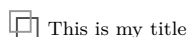
<option> の後ろの `*` によって、タイトルの下線を消去することができます。したがって、`*` を 2 つ付けると、「色調反転+下線なし」という出力になります。

`\ascboxB**{This is my title}`

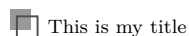
 This is my title

box 自体は色調反転にせず、下線なしのみで出力する場合は、*<options>* が省略されていることを中括弧で明記する必要があります。

`\ascboxB[A][*]{This is my title}`

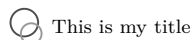


`\ascboxB*[C][*]{This is my title}`

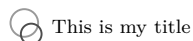


`\ascboxC<star>[<type>][<options>]<star>{<title>}`

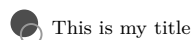
`\ascboxC{This is my title}`



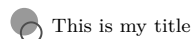
`\ascboxC*{This is my title}`



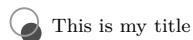
`\ascboxC[B]{This is my title}`



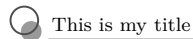
`\ascboxC*[B]{This is my title}`



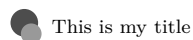
`\ascboxC[C]{This is my title}`



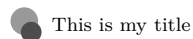
`\ascboxC*[C]{This is my title}`



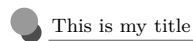
`\ascboxC[D]{This is my title}`



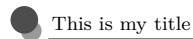
`\ascboxC*[D]{This is my title}`



`\ascboxC[E]{This is my title}`

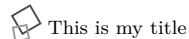


`\ascboxC*[E]{This is my title}`

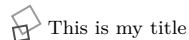


`\ascboxD<star>[<type>][<options>]<star>{<title>}`

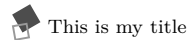
`\ascboxD{This is my title}`



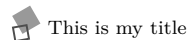
`\ascboxD*{This is my title}`



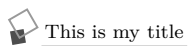
`\ascboxD[B]{This is my title}`



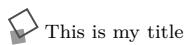
`\ascboxD*[B]{This is my title}`



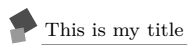
`\ascboxD[C]{This is my title}`



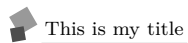
`\ascboxD*[C]{This is my title}`



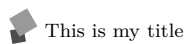
`\ascboxD[D]{This is my title}`



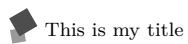
`\ascboxD*[D]{This is my title}`



`\ascboxD[E]{This is my title}`

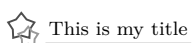


`\ascboxD*[E]{This is my title}`

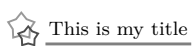


`\ascboxE<star>[<type>][<options>]<star>{\title}`

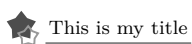
`\ascboxE{This is my title}`



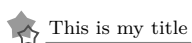
`\ascboxE*{This is my title}`



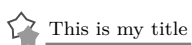
`\ascboxE[B]{This is my title}`



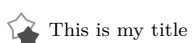
`\ascboxE*[B]{This is my title}`



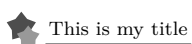
`\ascboxE[C]{This is my title}`



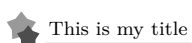
`\ascboxE*[C]{This is my title}`



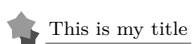
`\ascboxE[D]{This is my title}`



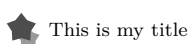
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<code>\ascboxH*[F]{This is my title}</code>	 <u>This is my title</u>
<code>\ascboxH*[F]{This is my title}</code>	 <u>This is my title</u>
<code>\ascboxH*[G]{This is my title}</code>	 <u>This is my title</u>
<code>\ascboxH*[G]{This is my title}</code>	 <u>This is my title</u>
<code>\ascboxH*[H]{This is my title}</code>	 <u>This is my title</u>
<code>\ascboxH*[H]{This is my title}</code>	 <u>This is my title</u>
<code>\ascboxH*[I]{This is my title}</code>	 <u>This is my title</u>
<code>\ascboxH*[I]{This is my title}</code>	 <u>This is my title</u>
<code>\ascboxH*[J]{This is my title}</code>	 <u>This is my title</u>
<code>\ascboxH*[J]{This is my title}</code>	 <u>This is my title</u>
<code>\ascboxH*[K]{This is my title}</code>	 <u>This is my title</u>
<code>\ascboxH*[K]{This is my title}</code>	 <u>This is my title</u>
<code>\ascboxH*[L]{This is my title}</code>	 <u>This is my title</u>
<code>\ascboxH*[L]{This is my title}</code>	 <u>This is my title</u>
<code>\ascboxH*[M]{This is my title}</code>	 <u>This is my title</u>
<code>\ascboxH*[M]{This is my title}</code>	 <u>This is my title</u>


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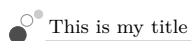
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`\ascboxK*[E]{This is my title}`

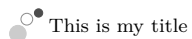
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\ascboxK[F]{This is my title}
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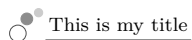
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\ascboxK*[F]{This is my title}
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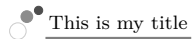
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\ascboxK[G]{This is my title}
```



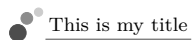
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\ascboxK*[G]{This is my title}
```



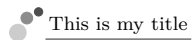
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\ascboxK[H]{This is my title}
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This is my title

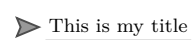
```
\ascboxK*[H]{This is my title}
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\ascboxZ $\langle shape \rangle \langle star \rangle [\langle size \rangle] \langle star \rangle \{ \langle title \rangle \}$

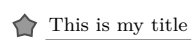
```
\ascboxZ{This is my title}
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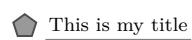
ボックスの前の形を $\langle shape \rangle$ で指定することができます。デフォルトでは **dart** となっています。形によっては大きさが不適になるので、サイズの微調整を $\langle size \rangle$ で行います。

```
\ascboxZ[star][.8]{This is my title}
```



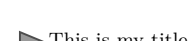
This is my title

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\ascboxZ[regular polygon][1]{This is my title}
```



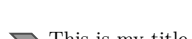
This is my title

```
\ascboxZ[isosceles triangle][.7]{This is my  
title}
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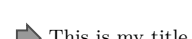
This is my title

```
\ascboxZ[signal,signal from=west][1]{This is  
my title}
```



This is my title

```
\ascboxZ[single arrow,single arrow head  
(extend=.8mm)][1]{This is my title}
```



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