Color

Colors can be defined in several ways.

By Name

There are 141 predefined colors, listed in the MigraDoc Help. These colors are the same as the colors predefined in the .NET framework.

```
\textframe [FillFormat.Color = Red …]
{…}
```

By Value

Colors can be defined as decimal or hex value. A hex value has the following form: 0xttrrggbb,
with tt meaning the bytes for transparency, rr for red, gg for green and bb for blue. MigraDoc doesn't support transparency in this version completely. When the transparency value is not zero, then a color that represents the partially transparent color on a white background will be used in the PDF output. If the transparency value is zero, then nothing will be displayed. The transparency is fully supported in the preview and when the document is printed directly from MigraDoc.
You can also translate this number into the decimal system and use the result.

```
\textframe [FillFormat.Color = 4000000000 …]
{…}
```

```
\textframe [FillFormat.Color = 0xFFFF8000 …]
{…}
```

By RGB

In this case, the alpha value is assumed to be 255, which means no transparency is given.

```
\textframe [FillFormat.Color = RGB(42,0x80,67) …]
{…}
```

By CMYK

The following formulas are used to translate CMYK (**C**yan, **M**agenta, **Y**ellow, Blac**K**) into equivalent RGB values:
red = Floor((1 - Min(1, cyan * (1 - black) + black)) * 255 + 0.5)
green = Floor((1 - Min(1, magenta * (1 - black) + black)) * 255 + 0.5)
blue = Floor((1 - Min(1, yellow * (1 - black) + black)) * 255 + 0.5).

```
\textframe [FillFormat.Color = CMYK(34,35,11,06) …]
{…}
```

By Gray Shade

A Color can be set as a gray shade value from 0 (white) to 100 (black).

```
\textframe [FillFormat.Color = GRAY(15) …]
{…}
```