| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) | **Use** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/text//class-useAttributedCharacterIterator.Attribute.html)    [**NO FRAMES**](http://docs.google.com/AttributedCharacterIterator.Attribute.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**java.text.AttributedCharacterIterator.Attribute**

| Packages that use [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) | |
| --- | --- |
| [**java.awt**](#3znysh7) | Contains all of the classes for creating user interfaces and for painting graphics and images. |
| [**java.awt.font**](#2et92p0) | Provides classes and interface relating to fonts. |
| [**java.awt.im**](#tyjcwt) | Provides classes and interfaces for the input method framework. |
| [**java.text**](#3dy6vkm) | Provides classes and interfaces for handling text, dates, numbers, and messages in a manner independent of natural languages. |

| Uses of [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) in [java.awt](http://docs.google.com/java/awt/package-summary.html) | |
| --- | --- |

| Methods in [java.awt](http://docs.google.com/java/awt/package-summary.html) that return [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) | |
| --- | --- |
| [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html)[] | **Font.**[**getAvailableAttributes**](http://docs.google.com/java/awt/Font.html#getAvailableAttributes())()            Returns the keys of all the attributes supported by this Font. |

| Method parameters in [java.awt](http://docs.google.com/java/awt/package-summary.html) with type arguments of type [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) | |
| --- | --- |
| [Font](http://docs.google.com/java/awt/Font.html) | **Font.**[**deriveFont**](http://docs.google.com/java/awt/Font.html#deriveFont(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<? extends [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html),?> attributes)            Creates a new Font object by replicating the current Font object and applying a new set of font attributes to it. |
| static [Font](http://docs.google.com/java/awt/Font.html) | **Font.**[**getFont**](http://docs.google.com/java/awt/Font.html#getFont(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<? extends [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html),?> attributes)            Returns a Font appropriate to the attributes. |

| Constructor parameters in [java.awt](http://docs.google.com/java/awt/package-summary.html) with type arguments of type [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) | |
| --- | --- |
| [**Font**](http://docs.google.com/java/awt/Font.html#Font(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<? extends [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html),?> attributes)            Creates a new Font with the specified attributes. |

| Uses of [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) in [java.awt.font](http://docs.google.com/java/awt/font/package-summary.html) | |
| --- | --- |

| Subclasses of [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) in [java.awt.font](http://docs.google.com/java/awt/font/package-summary.html) | |
| --- | --- |
| class | [**TextAttribute**](http://docs.google.com/java/awt/font/TextAttribute.html)            The TextAttribute class defines attribute keys and attribute values used for text rendering. |

| Constructor parameters in [java.awt.font](http://docs.google.com/java/awt/font/package-summary.html) with type arguments of type [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) | |
| --- | --- |
| [**TextLayout**](http://docs.google.com/java/awt/font/TextLayout.html#TextLayout(java.lang.String,%20java.util.Map,%20java.awt.font.FontRenderContext))([String](http://docs.google.com/java/lang/String.html) string, [Map](http://docs.google.com/java/util/Map.html)<? extends [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html),?> attributes, [FontRenderContext](http://docs.google.com/java/awt/font/FontRenderContext.html) frc)            Constructs a TextLayout from a String and an attribute set. |

| Uses of [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) in [java.awt.im](http://docs.google.com/java/awt/im/package-summary.html) | |
| --- | --- |

| Methods in [java.awt.im](http://docs.google.com/java/awt/im/package-summary.html) with parameters of type [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) | |
| --- | --- |
| [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) | **InputMethodRequests.**[**cancelLatestCommittedText**](http://docs.google.com/java/awt/im/InputMethodRequests.html#cancelLatestCommittedText(java.text.AttributedCharacterIterator.Attribute%5B%5D))([AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html)[] attributes)            Gets the latest committed text from the text editing component and removes it from the component's text body. |
| [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) | **InputMethodRequests.**[**getCommittedText**](http://docs.google.com/java/awt/im/InputMethodRequests.html#getCommittedText(int,%20int,%20java.text.AttributedCharacterIterator.Attribute%5B%5D))(int beginIndex, int endIndex, [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html)[] attributes)            Gets an iterator providing access to the entire text and attributes contained in the text editing component except for uncommitted text. |
| [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) | **InputMethodRequests.**[**getSelectedText**](http://docs.google.com/java/awt/im/InputMethodRequests.html#getSelectedText(java.text.AttributedCharacterIterator.Attribute%5B%5D))([AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html)[] attributes)            Gets the currently selected text from the text editing component. |

| Uses of [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) in [java.text](http://docs.google.com/java/text/package-summary.html) | |
| --- | --- |

| Subclasses of [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) in [java.text](http://docs.google.com/java/text/package-summary.html) | |
| --- | --- |
| static class | [**DateFormat.Field**](http://docs.google.com/java/text/DateFormat.Field.html)            Defines constants that are used as attribute keys in the AttributedCharacterIterator returned from DateFormat.formatToCharacterIterator and as field identifiers in FieldPosition. |
| static class | [**Format.Field**](http://docs.google.com/java/text/Format.Field.html)            Defines constants that are used as attribute keys in the AttributedCharacterIterator returned from Format.formatToCharacterIterator and as field identifiers in FieldPosition. |
| static class | [**MessageFormat.Field**](http://docs.google.com/java/text/MessageFormat.Field.html)            Defines constants that are used as attribute keys in the AttributedCharacterIterator returned from MessageFormat.formatToCharacterIterator. |
| static class | [**NumberFormat.Field**](http://docs.google.com/java/text/NumberFormat.Field.html)            Defines constants that are used as attribute keys in the AttributedCharacterIterator returned from NumberFormat.formatToCharacterIterator and as field identifiers in FieldPosition. |

| Fields in [java.text](http://docs.google.com/java/text/package-summary.html) declared as [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) | |
| --- | --- |
| static [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) | **AttributedCharacterIterator.Attribute.**[**INPUT\_METHOD\_SEGMENT**](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html#INPUT_METHOD_SEGMENT)            Attribute key for input method segments. |
| static [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) | **AttributedCharacterIterator.Attribute.**[**LANGUAGE**](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html#LANGUAGE)            Attribute key for the language of some text. |
| static [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) | **AttributedCharacterIterator.Attribute.**[**READING**](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html#READING)            Attribute key for the reading of some text. |

| Methods in [java.text](http://docs.google.com/java/text/package-summary.html) that return types with arguments of type [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) | |
| --- | --- |
| [Set](http://docs.google.com/java/util/Set.html)<[AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html)> | **AttributedCharacterIterator.**[**getAllAttributeKeys**](http://docs.google.com/java/text/AttributedCharacterIterator.html#getAllAttributeKeys())()            Returns the keys of all attributes defined on the iterator's text range. |
| [Map](http://docs.google.com/java/util/Map.html)<[AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html),[Object](http://docs.google.com/java/lang/Object.html)> | **AttributedCharacterIterator.**[**getAttributes**](http://docs.google.com/java/text/AttributedCharacterIterator.html#getAttributes())()            Returns a map with the attributes defined on the current character. |

| Methods in [java.text](http://docs.google.com/java/text/package-summary.html) with parameters of type [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) | |
| --- | --- |
| void | **AttributedString.**[**addAttribute**](http://docs.google.com/java/text/AttributedString.html#addAttribute(java.text.AttributedCharacterIterator.Attribute,%20java.lang.Object))([AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) attribute, [Object](http://docs.google.com/java/lang/Object.html) value)            Adds an attribute to the entire string. |
| void | **AttributedString.**[**addAttribute**](http://docs.google.com/java/text/AttributedString.html#addAttribute(java.text.AttributedCharacterIterator.Attribute,%20java.lang.Object,%20int,%20int))([AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) attribute, [Object](http://docs.google.com/java/lang/Object.html) value, int beginIndex, int endIndex)            Adds an attribute to a subrange of the string. |
| [Object](http://docs.google.com/java/lang/Object.html) | **AttributedCharacterIterator.**[**getAttribute**](http://docs.google.com/java/text/AttributedCharacterIterator.html#getAttribute(java.text.AttributedCharacterIterator.Attribute))([AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) attribute)            Returns the value of the named attribute for the current character. |
| [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) | **AttributedString.**[**getIterator**](http://docs.google.com/java/text/AttributedString.html#getIterator(java.text.AttributedCharacterIterator.Attribute%5B%5D))([AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html)[] attributes)            Creates an AttributedCharacterIterator instance that provides access to selected contents of this string. |
| [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) | **AttributedString.**[**getIterator**](http://docs.google.com/java/text/AttributedString.html#getIterator(java.text.AttributedCharacterIterator.Attribute%5B%5D,%20int,%20int))([AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html)[] attributes, int beginIndex, int endIndex)            Creates an AttributedCharacterIterator instance that provides access to selected contents of this string. |
| int | **AttributedCharacterIterator.**[**getRunLimit**](http://docs.google.com/java/text/AttributedCharacterIterator.html#getRunLimit(java.text.AttributedCharacterIterator.Attribute))([AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) attribute)            Returns the index of the first character following the run with respect to the given attribute containing the current character. |
| int | **AttributedCharacterIterator.**[**getRunStart**](http://docs.google.com/java/text/AttributedCharacterIterator.html#getRunStart(java.text.AttributedCharacterIterator.Attribute))([AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) attribute)            Returns the index of the first character of the run with respect to the given attribute containing the current character. |

| Method parameters in [java.text](http://docs.google.com/java/text/package-summary.html) with type arguments of type [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) | |
| --- | --- |
| void | **AttributedString.**[**addAttributes**](http://docs.google.com/java/text/AttributedString.html#addAttributes(java.util.Map,%20int,%20int))([Map](http://docs.google.com/java/util/Map.html)<? extends [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html),?> attributes, int beginIndex, int endIndex)            Adds a set of attributes to a subrange of the string. |
| int | **AttributedCharacterIterator.**[**getRunLimit**](http://docs.google.com/java/text/AttributedCharacterIterator.html#getRunLimit(java.util.Set))([Set](http://docs.google.com/java/util/Set.html)<? extends [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html)> attributes)            Returns the index of the first character following the run with respect to the given attributes containing the current character. |
| int | **AttributedCharacterIterator.**[**getRunStart**](http://docs.google.com/java/text/AttributedCharacterIterator.html#getRunStart(java.util.Set))([Set](http://docs.google.com/java/util/Set.html)<? extends [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html)> attributes)            Returns the index of the first character of the run with respect to the given attributes containing the current character. |

| Constructors in [java.text](http://docs.google.com/java/text/package-summary.html) with parameters of type [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) | |
| --- | --- |
| [**AttributedString**](http://docs.google.com/java/text/AttributedString.html#AttributedString(java.text.AttributedCharacterIterator,%20int,%20int,%20java.text.AttributedCharacterIterator.Attribute%5B%5D))([AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) text, int beginIndex, int endIndex, [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html)[] attributes)            Constructs an AttributedString instance with the subrange of the given attributed text represented by AttributedCharacterIterator. |

| Constructor parameters in [java.text](http://docs.google.com/java/text/package-summary.html) with type arguments of type [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) | |
| --- | --- |
| [**AttributedString**](http://docs.google.com/java/text/AttributedString.html#AttributedString(java.lang.String,%20java.util.Map))([String](http://docs.google.com/java/lang/String.html) text, [Map](http://docs.google.com/java/util/Map.html)<? extends [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html),?> attributes)            Constructs an AttributedString instance with the given text and attributes. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) | **Use** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/text//class-useAttributedCharacterIterator.Attribute.html)    [**NO FRAMES**](http://docs.google.com/AttributedCharacterIterator.Attribute.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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