

# Converting Colors

RGB(176, 127, 226)

Have a look what the booklet for  
RGB(176, 127, 226) contains.

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# **Color**

**RGB(176, 127, 226)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B07FE2
RGB	176, 127, 226
RGB Percent	69%, 50%, 89%
CMY	0.3098, 0.5020, 0.1137
CMYK	0.22, 0.44, 0.00, 0.11
HSL	270°, 63%, 69%
HSV	270°, 44%, 89%
XYZ	39.2213, 29.8998, 75.6556
YIQ	152.9370, -2.5750, 41.1770

# Conversions

## Conversions Part 2

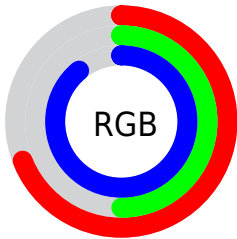
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 127, 226
Decimal	11567074
CIELab	61.57, 37.90, -43.41
CIELCh	62, 57.626, 311.129
Yxy	29.8998, 0.2709, 0.2065
Android (android.graphics.Color)	4289757154 (0xFFB07FE2)
YUV	152.9370, 36.0201, 20.2263
Hunter-Lab	54.6807, 32.3430, -43.7563

# Details

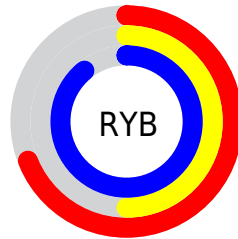
The RGB color **176, 127, 226** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **177, 226, 127**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **233, 181, 255**, and **121, 77, 170** is the 20% darker color. If you saturate the color by 10%, you get **165, 104, 226**, and if you desaturate by 10%, it is **187, 150, 226**.

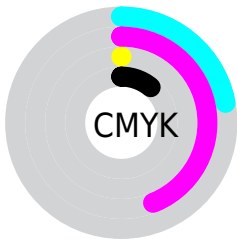
# Distribution



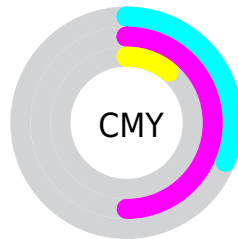
- Red (69%)
- Green (50%)
- Blue (89%)



- Red (69%)
- Yellow (50%)
- Blue (89%)



- Cyan (22%)
- Magenta (44%)
- Yellow (0%)
- Black (11%)



- Cyan (31%)
- Magenta (50%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 176, 127, 226 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RGB color 176, 127, 226 by changing the saturation by 10% instead.




 176, 127, 226

255, 255, 255


 233, 181, 255

 255, 208, 255

 255, 237, 255

 176, 127, 226


 148, 101, 198

 121, 77, 170

 95, 52, 143

 68, 29, 117

 42, 3, 92

 19, 0, 68

 0, 2, 45

 0, 1, 23


 0, 0, 0

 176, 127, 226

 176, 127, 226


 165, 104, 226


 187, 150, 226

 153, 82, 226


 199, 172, 226

 142, 59, 226


 210, 195, 226

 130, 37, 226

 222, 217, 226

 119, 14, 226

 233, 240, 226

 112, 0, 226

 244, 255, 226

 255, 255, 226

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84, 148, 249



176, 127, 226



225, 107, 183

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



176, 127, 226



202, 134, 48



0, 173, 167

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



176, 127, 226



177, 226, 127

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



0, 171, 114



176, 127, 226



158, 152, 38

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



176, 127, 226



232, 114, 84



102, 164, 67



0, 171, 215

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



176, 127, 226



239, 101, 149



102, 164, 67



0, 173, 149



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



176, 127, 226



238, 222, 255



127, 178, 226



117, 107, 128



0, 0, 0



128, 128, 128



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



176, 127, 226



187, 120, 255



224, 127, 226



107, 101, 112



87, 0, 176



24, 0, 48



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



226, 127, 177



255, 120, 188



129, 226, 127



112, 101, 107



176, 0, 89

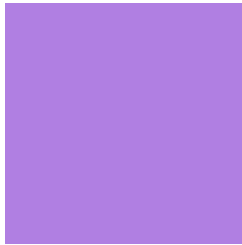


48, 0, 24



# Previews

## White Background



This preview shows how the RGB color 176, 127, 226 looks on a white background.

## Color Contrast Check

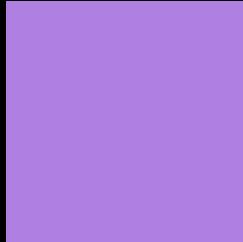
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the RGB color 176, 127, 226 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

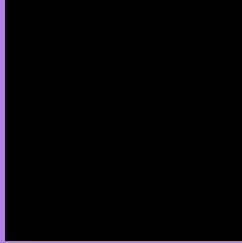
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RGB 176, 127, 226 Background



This preview shows how black text looks on a background with the RGB color 176, 127, 226.

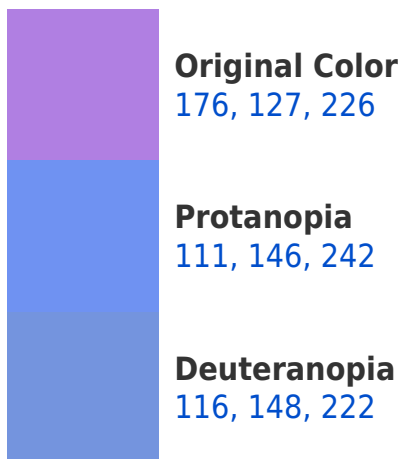


This preview shows how white text looks on a background with the RGB color 176, 127, 226.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





**Tritanopia**  
164, 143, 154

# Trichromacy



**Original Color**

176, 127, 226



**Protanomaly**

135, 139, 236



**Deuteranomaly**

138, 140, 223



**Tritanomaly**

168, 137, 180

# Monochromacy



**Original Color**

176, 127, 226



**Achromatopsia**

153, 153, 153



**Achromatomaly**

161, 144, 180

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 176, 127, 226 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(176, 127, 226)` looks like.

```
.text, #text, p{  
    color:rgb(176, 127, 226)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(176, 127, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 127, 226) }
```

## Border

The CSS property to change the border of an element to RGB 176, 127, 226 is called "border". The border property can be set on classes, ids or directly on the HTML element.

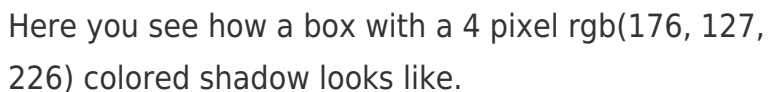
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 127, 226) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(176, 127, 226) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(176, 127, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 127, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 127, 226); box-shadow:4px 4px 4px 4px rgb(176, 127, 226) }
```

# Background

The CSS property to change the background color of an element to RGB 176, 127, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 127, 226) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(176,  
127, 226) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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