Converting Colors

RGB(176, 75, 235)

Have a look what the booklet for RGB(176, 75, 235) contains.

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Color

RGB(176, 75, 235)

Conversions

Format	Color
Hex	B04BEB
RGB	176, 75, 235
RGB Percent	69%, 29%, 92%
CMY	0.3098, 0.7059, 0.0784
CMYK	0.25, 0.68, 0.00, 0.08
HSL	278°, 80%, 61%
HSV	278°, 68%, 92%
XYZ	35.4160, 20.2604, 80.6413
YIQ	123.4390, 8.8360, 71.1720

Conversions Part 1

Conversions

Conversions Part 2

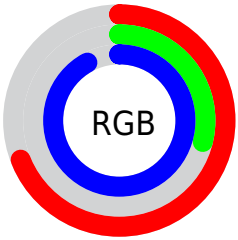
Format	Color
RYB	176, 75, 235
Decimal	11553771
CIELab	52.13, 66.13, -63.49
CIELCh	52, 91.672, 316.169
Yxy	20.2604, 0.2598, 0.1486
Android (android.graphics.Color)	4289743851 (0xFFB04BEB)
YUV	123.4390, 54.9996, 46.0960
Hunter-Lab	45.0116, 61.6770, -74.7139

Details

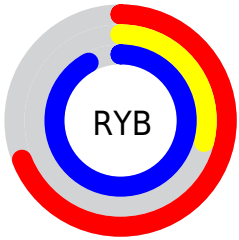
The RGB color 176, 75, 235 is a light color, and the websafe version is hex 9933CC. The color can be described as light muted purple. A complement of this color would be 134, 235, 75, and the grayscale version is 123, 123, 123.

A 20% lighter version of the original color is 235, 131, 255, and 118, 3, 178 is the 20% darker color. If you saturate the color by 10%, you get 167, 52, 235, and if you desaturate by 10%, it is 185, 98, 235.

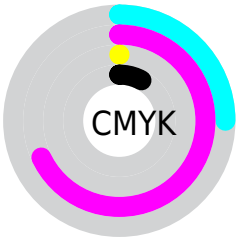
Distribution



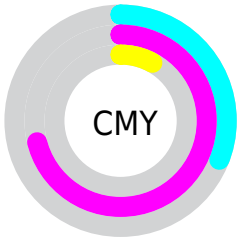
- Red (69%)
- Green (29%)
- Blue (92%)



- Red (69%)
- Yellow (29%)
- Blue (92%)



- Cyan (25%)
- Magenta (68%)
- Yellow (0%)
- Black (8%)



- Cyan (31%)
- Magenta (71%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RGB color 176, 75, 235 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, 75, 235 by changing the saturation by 10% instead.

176, 75, 235	176, 75, 235
255, 255, 255	147, 46, 206
235, 131, 255	118, 3, 178
255, 159, 255	89, 0, 151
255, 187, 255	60, 0, 124
255, 216, 255	30, 0, 98
255, 245, 255	0, 0, 73
	0, 4, 50
	0, 1, 28
	0, 0, 0

176, 75, 235

167, 52, 235

159, 28, 235

150, 4, 235

148, 0, 235

176, 75, 235

185, 98, 235

193, 122, 235

202, 146, 235

211, 169, 235

219, 193, 235

228, 216, 235

237, 240, 235

245, 255, 235

254, 255, 235

Harmonies

Analogous

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

0, 120, 255

176, 75, 235

242, 0, 164

Triad

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

176, 75, 235

181, 108, 0

0, 156, 166

Complementary

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

176, 75, 235

134, 235, 75

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, 154, 84

176, 75, 235

112, 134, 0

Square

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

176, 75, 235

231, 60, 0

0, 148, 0

0, 154, 238

Rectangle

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

176, 75, 235

255, 0, 112

0, 148, 0

0, 156, 139

Sweetspot

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

176, 75, 235

236, 204, 255

75, 136, 235

116, 97, 128

0, 0, 0

128, 128, 128

Same Dimension

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

176, 75, 235

178, 46, 255

235, 75, 216

113, 106, 117

114, 0, 181

34, 0, 54

Inverse Universe

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

235, 75, 134

255, 46, 123

75, 235, 94

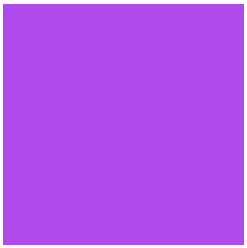
117, 106, 110

181, 0, 67

54, 0, 20

Previews

White Background

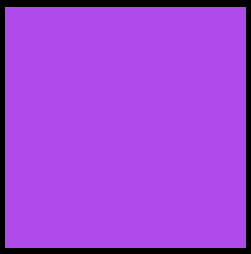


This preview shows how the RGB color 176, 75, 235 looks on a white background.

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



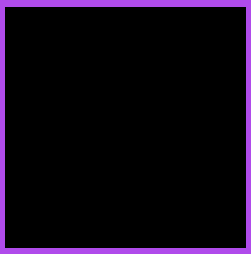
This preview shows how the RGB color 176, 75, 235 looks on a black background.

Color Contrast Check

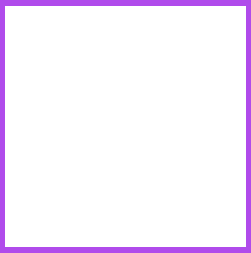
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

RGB 176, 75, 235 Background



This preview shows how black text looks on a background with the RGB color 176, 75, 235.

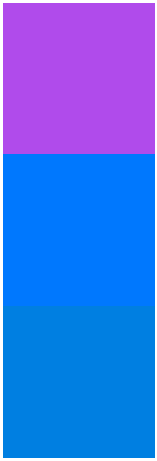


This preview shows how white text looks on a background with the RGB color 176, 75, 235.

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



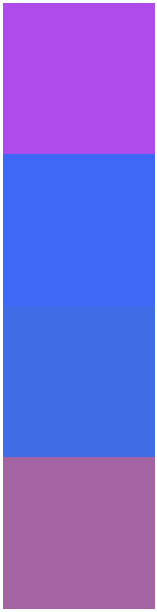
Original Color
176, 75, 235

Protanopia
0, 120, 254

Deuteranopia
0, 127, 225

Tritanopia
157, 112, 120

Trichromacy



Original Color
176, 75, 235

Protanomaly
64, 104, 247

Deuteranomaly
64, 108, 229

Tritanomaly
164, 99, 162

Monochromacy

Original Color
176, 75, 235

Achromatopsia
123, 123, 123

Achromatomaly
142, 106, 164

CSS Examples

Text

The CSS property to change the color of the text to RGB 176, 75, 235 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, 75, 235) looks like.

```
.text, #text, p{
    color:rgb(176, 75, 235)
}
```

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, 75, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 75, 235) }
```

Border

The CSS property to change the border of an element to RGB 176, 75, 235 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, 75, 235) }
```

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

```
.border{ border-color:rgb(176, 75, 235) }
```

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

Here you see how a box with a 4 pixel rgb(176, 75, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 75, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 75, 235); box-shadow:4px 4px 4px 4px rgb(176, 75, 235) }
```

Background

The CSS property to change the background color of an element to RGB 176, 75, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(176, 75, 235) }
```

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

```
.background{ background-color:rgb(176, 75,
235) }
```

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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