Converting Colors

RYB(176, 0, 250)

Have a look what the booklet for RYB(176, 0, 250) contains.

RYB(176, 0, 250) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 11
- ***Previews*** 23
- ***Color Blindness Simulation*** 26
- ***CSS Examples*** 29

Color

RYB(176, 0, 250)

Conversions

Conversions Part 1

Format	Color
Hex	B000FA
RGB	176, 0, 250
RGB Percent	69%, 0%, 98%
CMY	0.3098, 1.0000, 0.0196
CMYK	0.30, 1.00, 0.00, 0.02
HSL	282°, 100%, 49%
HSV	282°, 100%, 98%
XYZ	35.1598, 16.1322, 91.7032
YIQ	81.1240, 24.6460, 115.0620

Conversions

Conversions Part 2

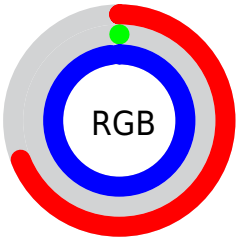
Format	Color
RYB	176, 0, 250
Decimal	11534586
CIELab	47.15, 86.74, -80.00
CIELCh	47, 117.998, 317.315
Yxy	16.1322, 0.2459, 0.1128
Android (android.graphics.Color)	4289724666 (0xFFB000FA)
YUV	81.1240, 83.2559, 83.2063
Hunter-Lab	40.1650, 85.9676, -107.2533

Details

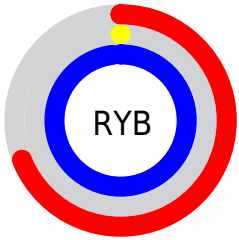
The RYB color 176, 0, 250 is a dark color, and the websafe version is hex CC00FF. The color can be described as middle saturated purple. A complement of this color would be 0, 250, 176, and the grayscale version is 80, 80, 80.

A 20% lighter version of the original color is 238, 91, 255, and 115, 0, 192 is the 20% darker color. If you saturate the color by 10%, you get 176, 0, 250, and if you desaturate by 10%, it is 183, 25, 250.

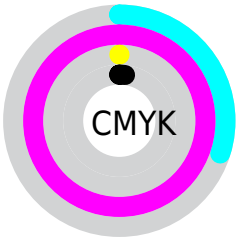
Distribution



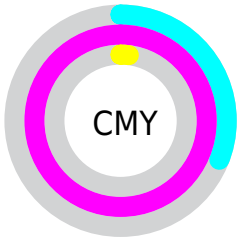
- Red (69%)
- Green (0%)
- Blue (98%)



- Red (69%)
- Yellow (0%)
- Blue (98%)



- Cyan (30%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)



- Cyan (31%)
- Magenta (100%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 176, 0, 250 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 RYB color 176, 0, 250 by changing the saturation by 10% instead.

176, 0, 250	176, 0, 250
255, 255, 255	145, 0, 221
238, 91, 255	115, 0, 192
255, 121, 255	83, 0, 164
255, 151, 255	49, 0, 137
255, 181, 255	0, 0, 110
255, 211, 255	0, 0, 85
255, 241, 255	0, 5, 60
	0, 2, 38
	0, 1, 14

176, 0, 250

183, 25, 250

191, 50, 250

198, 75, 250

206, 100, 250

213, 125, 250

220, 150, 250

228, 175, 250

235, 200, 250

243, 225, 250

Harmonies

Analogous

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

0, 76, 255

176, 0, 250

255, 0, 158

Triad

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

176, 0, 250

147, 171, 0

0, 78, 169

Complementary

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

176, 0, 250

0, 250, 176

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, 100, 144

176, 0, 250

0, 125, 45

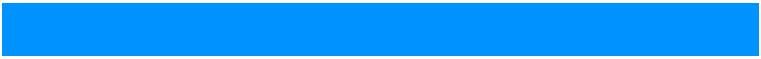
Square

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

176, 0, 250

235, 0, 0

0, 138, 138



0, 93, 255

Rectangle

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

176, 0, 250

255, 0, 94

0, 138, 138

0, 76, 146

Sweetspot

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

176, 0, 250

232, 179, 255

0, 58, 250

114, 82, 128

0, 0, 0

128, 128, 128

Same Dimension

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

176, 0, 250

180, 0, 255

250, 0, 200

121, 112, 125

133, 0, 189

43, 0, 61

Inverse Universe

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

250, 0, 74

255, 0, 75

0, 208, 250

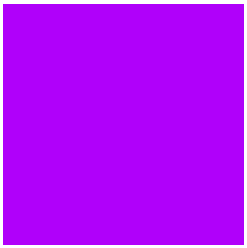
125, 112, 116

189, 0, 56

61, 0, 18

Previews

White Background

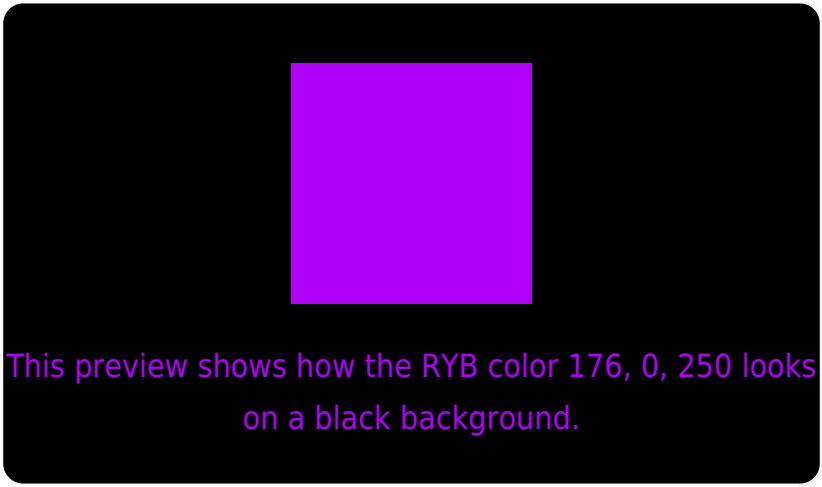


This preview shows how the RYB color 176, 0, 250 looks on a white background.

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

Black Background

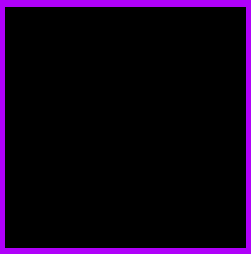


Color Contrast Check

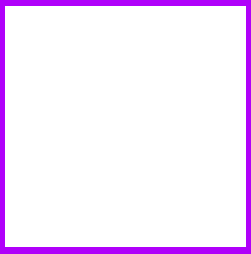
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

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

RYB 176, 0, 250 Background



This preview shows how black text looks on a background with the RYB color 176, 0, 250.

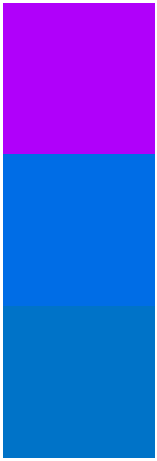


This preview shows how white text looks on a background with the RYB color 176, 0, 250.

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



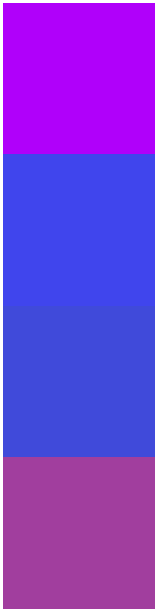
Original Color
176, 0, 250

Protanopia
0, 74, 230

Deuteranopia
0, 73, 200

Tritanopia
152, 98, 105

Trichromacy



Original Color
176, 0, 250

Protanomaly
64, 69, 237

Deuteranomaly
64, 73, 218

Tritanomaly
161, 62, 158

Monochromacy

Original Color
176, 0, 250

Achromatopsia
81, 81, 81

Achromatomaly
116, 52, 142

CSS Examples

Text

The CSS property to change the color of the text to RYB 176, 0, 250 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, 0, 250) looks like.

```
.text, #text, p{
    color:rgb(176, 0, 250)
}
```

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, 0, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 250) }
```

Border

The CSS property to change the border of an element to RYB 176, 0, 250 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, 0, 250) }
```

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

```
.border{ border-color:rgb(176, 0, 250) }
```

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

Here you see how a box with a 4 pixel rgb(176, 0, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 0, 250); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 0, 250); box-shadow:4px 4px 4px 4px rgb(176, 0, 250) }
```

Background

The CSS property to change the background color of an element to RYB 176, 0, 250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(176, 0, 250) }
```

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

```
.background{ background-color:rgb(176, 0,
250) }
```

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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