

Converting Colors

`RYB(176, 0, 50)`

Have a look what the booklet for
RYB(176, 0, 50) contains.

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Color

`RYB(176, 0, 50)`

Conversions

Conversions Part 1	
Format	Color
Hex	B00032
RGB	176, 0, 50
RGB Percent	69%, 0%, 20%
CMY	0.3098, 1.0000, 0.8039
CMYK	0.00, 1.00, 0.72, 0.31
HSL	343°, 100%, 35%
HSV	343°, 100%, 69%
XYZ	18.4802, 9.4604, 3.8696
YIQ	58.3240, 88.8460, 52.8620

Conversions

Conversions Part 2

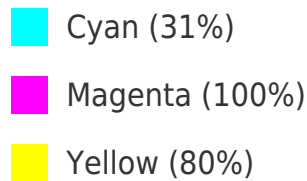
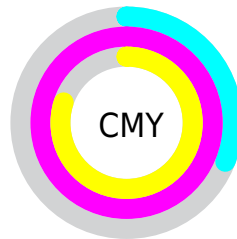
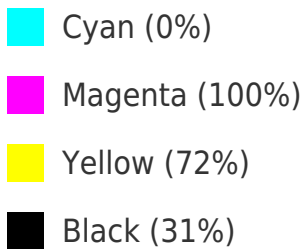
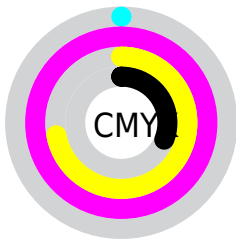
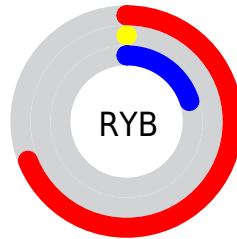
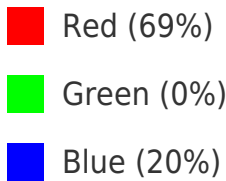
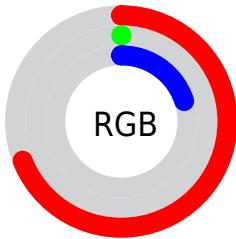
Format	Color
RYB	176, 0, 50
Decimal	11534386
CIELab	36.86, 61.84, 25.38
CIELCh	37, 66.839, 22.312
Yxy	9.4604, 0.5810, 0.2974
Android (android.graphics.Color)	4289724466 (0xFFB00032)
YUV	58.3240, -4.1037, 103.2019
Hunter-Lab	30.7578, 53.4223, 14.0712

Details

The RYB color **176, 0, 50** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **0, 103, 176**, and the grayscale version is **58, 58, 58**.

A 20% lighter version of the original color is **239, 80, 96**, and **115, 0, 5** is the 20% darker color. If you saturate the color by 10%, you get **176, 0, 50**, and if you desaturate by 10%, it is **176, 18, 63**.

Distribution



Brightness & Saturation Gradients

These gradients show how the RYB color 176, 0, 50 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, 50 by changing the saturation by 10% instead.



176, 0, 50



176, 0, 50

255, 255, 255



145, 0, 29



239, 80, 96



115, 0, 5



255, 108, 121



85, 0, 1



255, 137, 146



56, 0, 2



255, 165, 173



13, 0, 0



255, 194, 200



0, 0, 0



255, 223, 228



255, 253, 255




176, 0, 50

 176, 18, 63

 176, 35, 75

 176, 53, 88

 176, 70, 100

 176, 88, 113

 176, 106, 126

 176, 123, 138

 176, 141, 151

 176, 158, 163

Harmonies

Analogous

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



172, 0, 103



176, 0, 50



155, 78, 0

Triad

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



176, 0, 50



0, 100, 104



0, 65, 195

Complementary

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



176, 0, 50



0, 103, 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, 66, 172



176, 0, 50



0, 65, 108

Square

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



176, 0, 50



0, 96, 28



0, 58, 126



28, 67, 188

Rectangle

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



176, 0, 50



110, 132, 0



0, 58, 126



0, 66, 191

Sweetspot

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



176, 0, 50



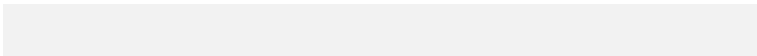
230, 161, 180



123, 0, 176



115, 73, 85



242, 242, 242



115, 115, 115

Same Dimension

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



176, 0, 50



230, 0, 65



176, 44, 0



89, 80, 83



153, 0, 43



26, 0, 7

Inverse Universe

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



176, 0, 50



230, 0, 65



0, 78, 176



89, 80, 83



153, 0, 43



26, 0, 7

Previews

White Background



This preview shows how the RYB color 176, 0, 50 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 ✓ Pass

Black Background



This preview shows how the RYB color 176, 0, 50 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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, 50 Background



This preview shows how black text looks on a background with the RYB color 176, 0, 50.



This preview shows how white text looks on a background with the RYB color 176, 0, 50.

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, 50

Protanopia

82, 95, 74

Deuteranopia

82, 111, 41



Tritanopia

175, 20, 16

Trichromacy



Original Color

176, 0, 50



Protanomaly

124, 57, 65



Deuteranomaly

135, 55, 44



Tritanomaly

175, 13, 28

Monochromacy



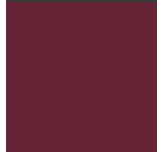
Original Color

176, 0, 50



Achromatopsia

58, 58, 58



Achromatomaly

101, 37, 55

CSS Examples

Text

The CSS property to change the color of the text to RGB 176, 0, 50 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, 50)` looks like.

```
.text, #text, p{  
    color:rgb(176, 0, 50)  
}
```

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, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 50) }
```

Border

The CSS property to change the border of an element to RYB 176, 0, 50 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, 50) }
```

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

```
.border{ border-color:rgb(176, 0, 50) }
```

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, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 0, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 0, 50);  
box-shadow:4px 4px 4px 4px rgb(176, 0, 50)  
}
```

Background

The CSS property to change the background color of an element to RGB 176, 0, 50 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, 50) }
```

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

```
.background{ background-color: rgb(176, 0,  
50) }
```

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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