

Converting Colors

`RYB(194, 0, 230)`

Have a look what the booklet for
RYB(194, 0, 230) contains.

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Color

R_YB(194, 0, 230)

Conversions

Conversions Part 1

Format	Color
Hex	C200E6
RGB	194, 0, 230
RGB Percent	76%, 0%, 90%
CMY	0.2392, 1.0000, 0.0980
CMYK	0.16, 1.00, 0.00, 0.10
HSL	291°, 100%, 45%
HSV	291°, 100%, 90%
XYZ	36.5311, 17.1825, 76.2541
YIQ	84.2260, 41.7940, 112.6580

Conversions

Conversions Part 2

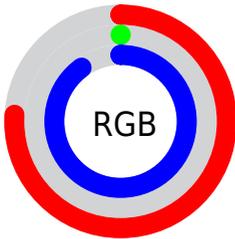
Format	Color
RYB	194, 0, 230
Decimal	12714214
CIELab	48.49, 85.56, -66.42
CIELCh	48, 108.318, 322.179
Yxy	17.1825, 0.2811, 0.1322
Android (android.graphics.Color)	4290904294 (0xFFC200E6)
YUV	84.2260, 71.8666, 96.2718
Hunter-Lab	41.4518, 84.7697, -80.0527

Details

The RYB color **194, 0, 230** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed magenta. A complement of this color would be **0, 230, 194**, and the grayscale version is **84, 84, 84**.

A 20% lighter version of the original color is **255, 93, 255**, and **134, 0, 173** is the 20% darker color. If you saturate the color by 10%, you get **194, 0, 230**, and if you desaturate by 10%, it is **198, 23, 230**.

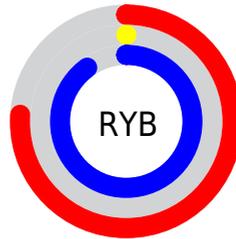
Distribution



Red (76%)

Green (0%)

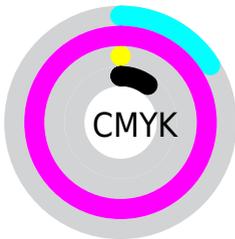
Blue (90%)



Red (76%)

Yellow (0%)

Blue (90%)

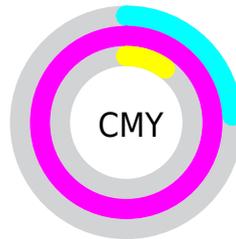


Cyan (16%)

Magenta (100%)

Yellow (0%)

Black (10%)



Cyan (24%)

Magenta (100%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 194, 0, 230 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 194, 0, 230 by changing the saturation by 10% instead.

 194, 0, 230	 194, 0, 230
 255, 255, 255	 164, 0, 201
 255, 93, 255	 134, 0, 173
 255, 124, 255	 105, 0, 146
 255, 154, 255	 75, 0, 119
 255, 184, 255	 47, 0, 94
 255, 214, 255	 3, 0, 69
 255, 244, 255	 0, 3, 45
	 0, 1, 24
	 0, 0, 0

■ 194, 0, 230

■ 198, 23, 230

■ 201, 46, 230

■ 205, 69, 230

■ 208, 92, 230

■ 212, 115, 230

■ 216, 138, 230

■ 219, 161, 230

■ 223, 184, 230

■ 226, 207, 230

Harmonies

Analogous

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



0, 73, 255



194, 0, 230



255, 0, 143

Triad

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



194, 0, 230



86, 160, 0



0, 82, 183

Complementary

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



194, 0, 230



0, 230, 194

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, 92, 147



194, 0, 230



0, 130, 58

Square

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



194, 0, 230



224, 49, 0



0, 142, 142



0, 94, 255

Rectangle

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



194, 0, 230



255, 0, 84



0, 142, 142



0, 75, 152

Sweetspot

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



194, 0, 230



243, 179, 255



0, 33, 230



120, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



194, 0, 230



215, 0, 255



230, 0, 153



113, 103, 115



151, 0, 179



43, 0, 51

Inverse Universe

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



230, 0, 36



255, 0, 40



0, 172, 230



115, 103, 105



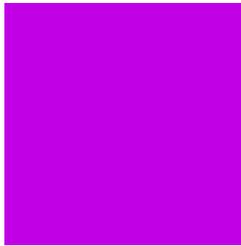
179, 0, 28



51, 0, 8

Previews

White Background



This preview shows how the RYB color 194, 0, 230 looks on a white background.

Color Contrast Check

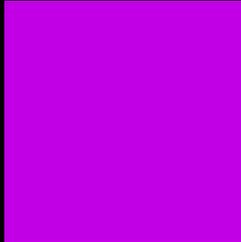
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 194, 0, 230 looks on a 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](#).

R Y B 194, 0, 230 Background



This preview shows how black text looks on a background with the R Y B color 194, 0, 230.



This preview shows how white text looks on a background with the R Y B color 194, 0, 230.

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
194, 0, 230

Protanopia
0, 77, 238

Deuteranopia
0, 76, 210



Tritanopia
176, 90, 97

Trichromacy



Original Color

194, 0, 230



Protanomaly

71, 72, 235



Deuteranomaly

71, 76, 217



Tritanomaly

183, 57, 145

Monochromacy



Original Color

194, 0, 230



Achromatopsia

84, 84, 84



Achromatomaly

124, 53, 137

CSS Examples

Text

The CSS property to change the color of the text to RYB 194, 0, 230 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(194, 0, 230)` looks like.

```
.text, #text, p{  
  color:rgb(194, 0, 230)  
}
```

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(194, 0, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 0, 230) }
```

Border

The CSS property to change the border of an element to RYB 194, 0, 230 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(194, 0, 230) }
```

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

```
.border{ border-color:rgb(194, 0, 230) }
```

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

Here you see how a box with a 4 pixel rgb(194, 0, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 0, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 0, 230);  
box-shadow:4px 4px 4px 4px rgb(194, 0,  
230) }
```

Background

The CSS property to change the background color of an element to RYB 194, 0, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 0, 230) }
```

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

```
.background{ background-color: rgb(194, 0,  
230) }
```

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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