

Converting Colors

`RYB(193, 112, 202)`

Have a look what the booklet for
RYB(193, 112, 202) contains.

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Color

$\text{RYB}(193, 112, 202)$

Conversions

Conversions Part 1

Format	Color
Hex	C170CA
RGB	193, 112, 202
RGB Percent	76%, 44%, 79%
CMY	0.2431, 0.5608, 0.2078
CMYK	0.04, 0.45, 0.00, 0.21
HSL	294°, 46%, 62%
HSV	294°, 45%, 79%
XYZ	38.4472, 27.1901, 59.0989
YIQ	146.4790, 19.3860, 45.1620

Conversions

Conversions Part 2

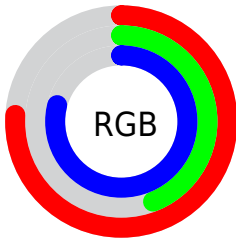
Format	Color
R_{YB}	193, 112, 202
Decimal	12677322
CIE _{Lab}	59.15, 45.86, -33.57
CIE _{LCh}	59, 56.837, 323.791
Yxy	27.1901, 0.3082, 0.2180
Android (android.graphics.Color)	4290867402 (0xFFC170CA)
YUV	146.4790, 27.3719, 40.7989
Hunter-Lab	52.1441, 40.3604, -30.6971

Details

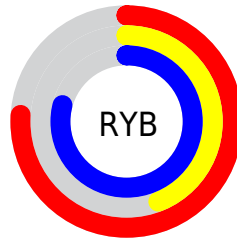
The RYB color **193, 112, 202** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **112, 202, 193**, and the grayscale version is **146, 146, 146**.

A 20% lighter version of the original color is **251, 166, 255**, and **138, 60, 148** is the 20% darker color. If you saturate the color by 10%, you get **191, 92, 202**, and if you desaturate by 10%, it is **195, 132, 202**.

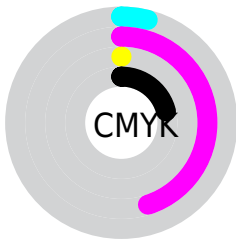
Distribution



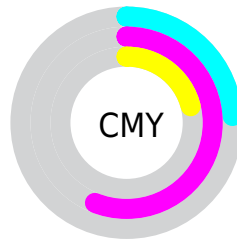
- Red (76%)
- Green (44%)
- Blue (79%)



- Red (76%)
- Yellow (44%)
- Blue (79%)



- Cyan (4%)
- Magenta (45%)
- Yellow (0%)
- Black (21%)



- Cyan (24%)
- Magenta (56%)
- Yellow (21%)


Brightness & Saturation Gradients

These gradients show how the RYB color 193, 112, 202 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 193, 112, 202 by changing the saturation by 10% instead.

 193, 112, 202

255, 255, 255

 251, 166, 255

 255, 194, 255


 255, 222, 255

 255, 251, 255

 193, 112, 202

 165, 86, 174

 138, 60, 148

 111, 34, 121

 85, 1, 96

 59, 0, 72


 38, 0, 49

 0, 1, 27

 0, 0, 0

 193, 112, 202

 193, 112, 202

 191, 92, 202


 195, 132, 202


 189, 72, 202


 197, 152, 202

 187, 51, 202

 199, 173, 202

 185, 31, 202

 201, 193, 202

 183, 11, 202

 202, 213, 212

 182, 0, 202

 202, 233, 230

 202, 253, 248

 202, 255, 248

 202, 255, 246

Harmonies

Analogous

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



125, 132, 234



193, 112, 202



227, 97, 155

Triad

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



193, 112, 202



91, 177, 34



0, 87, 181

Complementary

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



193, 112, 202



112, 202, 193

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, 93, 166



193, 112, 202



42, 152, 64

Square

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



193, 112, 202



213, 149, 62



64, 147, 161



0, 94, 222

Rectangle

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



193, 112, 202



233, 96, 121



64, 147, 161



0, 83, 166

Sweetspot

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



193, 112, 202



252, 222, 255



112, 120, 202



125, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



193, 112, 202



241, 120, 255



202, 112, 166



101, 92, 102



149, 0, 166



34, 0, 38

Inverse Universe

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



202, 112, 121



255, 120, 133



112, 176, 202



102, 92, 93



166, 0, 17



38, 0, 4

Previews

White Background



This preview shows how the RYB color 193, 112, 202 looks on a white background.

Color Contrast Check

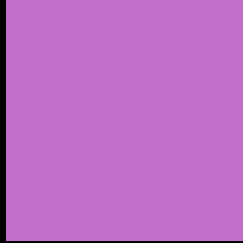
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RYB color 193, 112, 202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

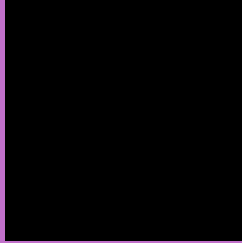
Any Text WCAG AA ✓ Pass

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](#).

RYB 193, 112, 202 Background



This preview shows how black text looks on a background with the RYB color 193, 112, 202.

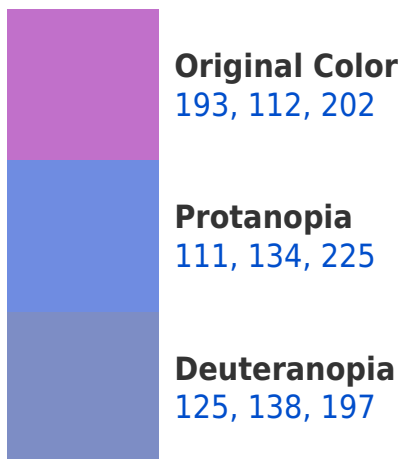


This preview shows how white text looks on a background with the RYB color 193, 112, 202.

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
184, 127, 136

Trichromacy



Original Color

193, 112, 202



Protanomaly

141, 130, 217



Deuteranomaly

150, 130, 199



Tritanomaly

187, 122, 160

Monochromacy



Original Color

193, 112, 202



Achromatopsia

146, 146, 146



Achromatomaly

163, 134, 166

CSS Examples

Text

The CSS property to change the color of the text to RYB 193, 112, 202 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(193, 112, 202)` looks like.

```
.text, #text, p{  
    color:rgb(193, 112, 202)  
}
```

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(193, 112, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 112, 202) }
```

Border

The CSS property to change the border of an element to RYB 193, 112, 202 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(193, 112, 202) }
```

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

```
.border{ border-color:rgb(193, 112, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 112, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 112, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 112, 202);  
box-shadow:4px 4px 4px 4px rgb(193, 112,  
202) }
```

Background

The CSS property to change the background color of an element to RYB 193, 112, 202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 112, 202) }
```

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

```
.background{ background-color: rgb(193,  
112, 202) }
```

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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