

Converting Colors

`RYB(193, 109, 170)`

Have a look what the booklet for
RYB(193, 109, 170) contains.

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Color

R_YB(193, 109, 170)

Conversions

Conversions Part 1

Format	Color
Hex	C16DAA
RGB	193, 109, 170
RGB Percent	76%, 43%, 67%
CMY	0.2431, 0.5725, 0.3333
CMYK	0.00, 0.44, 0.12, 0.24
HSL	316°, 40%, 59%
HSV	316°, 44%, 76%
XYZ	34.7167, 25.1770, 41.0601
YIQ	141.0700, 30.4830, 36.7790

Conversions

Conversions Part 2

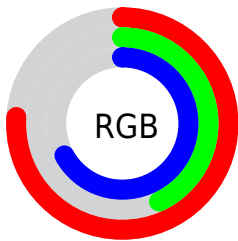
Format	Color
RYB	193, 109, 170
Decimal	12676522
CIELab	57.25, 41.69, -18.21
CIELCh	57, 45.492, 336.410
Yxy	25.1770, 0.3439, 0.2494
Android (android.graphics.Color)	4290866602 (0xFFC16DAA)
YUV	141.0700, 14.2625, 45.5426
Hunter-Lab	50.1767, 35.6928, -13.3939

Details

The RYB color **193, 109, 170** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **109, 175, 193**, and the grayscale version is **141, 141, 141**.

A 20% lighter version of the original color is **251, 162, 225**, and **138, 58, 118** is the 20% darker color. If you saturate the color by 10%, you get **193, 90, 165**, and if you desaturate by 10%, it is **193, 128, 175**.

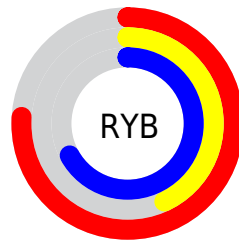
Distribution



Red (76%)

Green (43%)

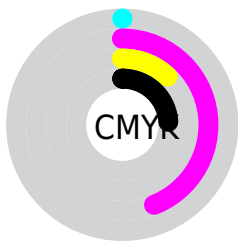
Blue (67%)



Red (76%)

Yellow (43%)

Blue (67%)

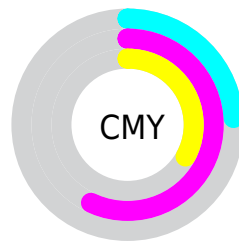


Cyan (0%)

Magenta (44%)

Yellow (12%)

Black (24%)



Cyan (24%)

Magenta (57%)

Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the RYB color 193, 109, 170 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, 109, 170 by changing the saturation by 10% instead.

 193, 109, 170

255, 255, 255

 251, 162, 225


 255, 190, 254


 255, 218, 255

 255, 247, 255

 193, 109, 170

 165, 83, 143

 138, 58, 118

 111, 32, 93

 85, 0, 69

 60, 0, 47

 37, 0, 26


 0, 0, 0


 193, 109, 170


 193, 90, 165


 193, 109, 170


 193, 128, 175


 193, 70, 159


 193, 148, 181

 193, 51, 154

 193, 167, 186

 193, 32, 149

 193, 186, 191

 193, 13, 144

 193, 204, 206

 193, 0, 140

 193, 218, 225

 193, 233, 244

 193, 240, 255

 193, 237, 255

Harmonies

Analogous

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



151, 124, 202



193, 109, 170



211, 103, 130

Triad

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



193, 109, 170



71, 152, 55



0, 84, 183

Complementary

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



193, 109, 170



109, 175, 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, 82, 157



193, 109, 170



71, 149, 110

Square

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



193, 109, 170



186, 182, 64



52, 120, 155



0, 88, 210

Rectangle

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



193, 109, 170



211, 106, 104



52, 120, 155



0, 82, 172

Sweetspot

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



193, 109, 170



250, 217, 241



131, 109, 193



125, 105, 119



252, 252, 252



125, 125, 125

Same Dimension

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



193, 109, 170



250, 120, 214



193, 109, 129



97, 87, 94



161, 0, 117



33, 0, 24

Inverse Universe

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



193, 109, 170



250, 120, 214



109, 157, 193



97, 87, 94



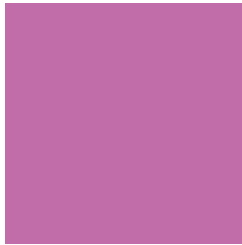
161, 0, 117



33, 0, 24

Previews

White Background



This preview shows how the RYB color 193, 109, 170 looks on a white background.

Color Contrast Check

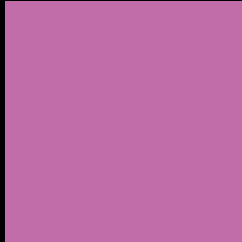
Large Text (above 18pt) WCAG AA ✓ Pass

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, 109, 170 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, 109, 170 Background



This preview shows how black text looks on a background with the RYB color 193, 109, 170.

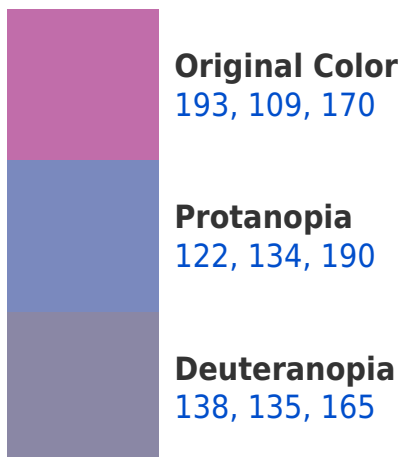



This preview shows how white text looks on a background with the RYB color 193, 109, 170.

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
188, 118, 127

Trichromacy



Original Color
193, 109, 170

Protanomaly
148, 126, 183

Deuteranomaly
158, 126, 167

Tritanomaly
190, 115, 143

Monochromacy



Original Color
193, 109, 170

Achromatopsia
141, 141, 141

Achromatomaly
160, 129, 152

CSS Examples

Text

The CSS property to change the color of the text to RYB 193, 109, 170 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, 109, 170)` looks like.

```
.text, #text, p{  
    color:rgb(193, 109, 170)  
}
```

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, 109, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 109, 170) }
```

Border

The CSS property to change the border of an element to RYB 193, 109, 170 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, 109, 170) }
```

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

```
.border{ border-color:rgb(193, 109, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 109, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 109, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 109, 170); box-shadow:4px 4px 4px 4px rgb(193, 109, 170) }
```

Background

The CSS property to change the background color of an element to RYB 193, 109, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 109, 170) }
```

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

```
.background{ background-color: rgb(193,  
109, 170) }
```

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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