

Converting Colors

`RYB(170, 85, 195)`

Have a look what the booklet for
RYB(170, 85, 195) contains.

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Color

R_YB(170, 85, 195)

Conversions

Conversions Part 1

Format	Color
Hex	AA55C3
RGB	170, 85, 195
RGB Percent	67%, 33%, 76%
CMY	0.3333, 0.6667, 0.2353
CMYK	0.13, 0.56, 0.00, 0.24
HSL	286°, 48%, 55%
HSV	286°, 56%, 76%
XYZ	29.6764, 18.9832, 53.7298
YIQ	122.9550, 15.3500, 52.2300

Conversions

Conversions Part 2

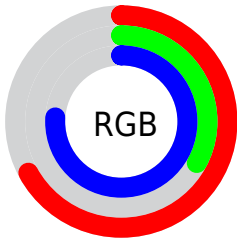
Format	Color
R_{YB}	170, 85, 195
Decimal	11163075
CIE _{Lab}	50.67, 51.84, -43.10
CIE _{LCh}	51, 67.420, 320.261
Yxy	18.9832, 0.2898, 0.1854
Android (android.graphics.Color)	4289353155 (0xFFAA55C3)
YUV	122.9550, 35.5182, 41.2585
Hunter-Lab	43.5697, 45.3338, -42.6171

Details

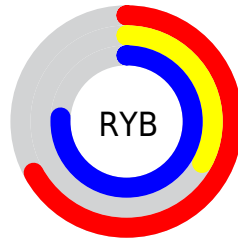
The RYB color **170, 85, 195** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **85, 195, 170**, and the grayscale version is **123, 123, 123**.

A 20% lighter version of the original color is **227, 138, 252**, and **115, 31, 141** is the 20% darker color. If you saturate the color by 10%, you get **166, 66, 195**, and if you desaturate by 10%, it is **174, 105, 195**.

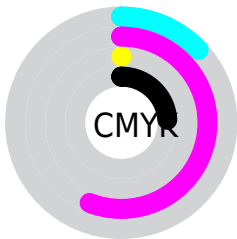
Distribution



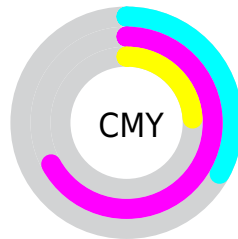
- Red (67%)
- Green (33%)
- Blue (76%)



- Red (67%)
- Yellow (33%)
- Blue (76%)



- Cyan (13%)
- Magenta (56%)
- Yellow (0%)
- Black (24%)




- Cyan (33%)
- Magenta (67%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 85, 195 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 170, 85, 195 by changing the saturation by 10% instead.

 170, 85, 195

 170, 85, 195

255, 255, 255

 142, 59, 167

 227, 138, 252

 115, 31, 141

 255, 166, 255

 88, 0, 115

 255, 194, 255

 62, 0, 90

 255, 222, 255

 39, 0, 66

 255, 252, 255

 0, 0, 42

 0, 1, 20


 0, 0, 0

 170, 85, 195


 170, 85, 195

 166, 66, 195

 174, 105, 195

 161, 46, 195

 179, 124, 195


 157, 26, 195

 183, 144, 195

 152, 7, 195

 188, 163, 195

 151, 0, 195

 192, 183, 195

 195, 202, 200

 195, 221, 215

 195, 241, 231

 195, 255, 240

Harmonies

Analogous

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



71, 105, 230



170, 85, 195



213, 57, 142

Triad

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



170, 85, 195



73, 161, 0



0, 76, 159

Complementary

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



170, 85, 195



85, 195, 170

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, 86, 145



170, 85, 195



0, 129, 20

Square

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



170, 85, 195



200, 111, 30



15, 120, 140



0, 85, 209

Rectangle

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



170, 85, 195



221, 54, 103



15, 120, 140



0, 75, 146

Sweetspot

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



170, 85, 195



243, 210, 252



85, 106, 195



122, 102, 128



0, 0, 0



128, 128, 128

Same Dimension

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



170, 85, 195



213, 81, 252



195, 85, 166



95, 87, 97



124, 0, 161



26, 0, 33

Inverse Universe

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



195, 85, 110



252, 81, 120



85, 172, 195



97, 87, 89



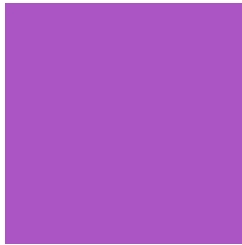
161, 0, 37



33, 0, 8

Previews

White Background



This preview shows how the RYB color 170, 85, 195 looks on a white background.

Color Contrast Check

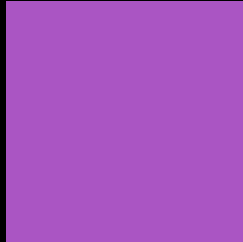
Large Text (above 18pt) WCAG AA ✓ Pass

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 170, 85, 195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

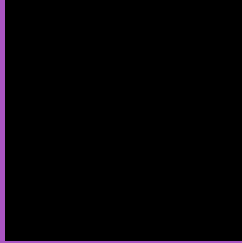
Any Text WCAG AA ✓ Pass

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 170, 85, 195 Background



This preview shows how black text looks on a background with the RYB color 170, 85, 195.

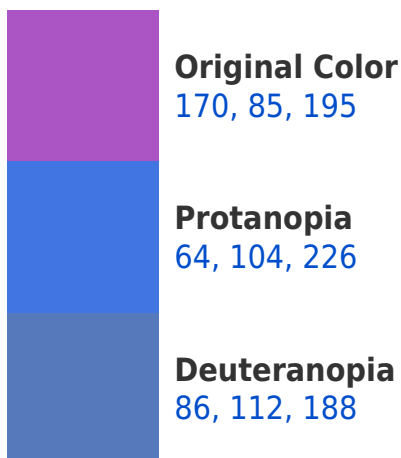



This preview shows how white text looks on a background with the RYB color 170, 85, 195.

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
159, 106, 114

Trichromacy



Original Color

170, 85, 195



Protanomaly

103, 105, 215



Deuteranomaly

117, 108, 191



Tritanomaly

163, 98, 143

Monochromacy



Original Color

170, 85, 195



Achromatopsia

123, 123, 123



Achromatomaly

140, 109, 149

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 85, 195 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(170, 85, 195)` looks like.

```
.text, #text, p{  
    color:rgb(170, 85, 195)  
}
```

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(170, 85, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 85, 195) }
```

Border

The CSS property to change the border of an element to RYB 170, 85, 195 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(170, 85, 195) }
```

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

```
.border{ border-color:rgb(170, 85, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 85, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 85, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 85, 195);  
box-shadow:4px 4px 4px 4px rgb(170, 85,  
195) }
```

Background

The CSS property to change the background color of an element to RGB 170, 85, 195 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 85, 195) }
```

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

```
.background{ background-color: rgb(170, 85,  
195) }
```

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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