

Converting Colors

`RYB(170, 117, 192)`

Have a look what the booklet for
RYB(170, 117, 192) contains.

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Color

R_YB(170, 117, 192)

Conversions

Conversions Part 1

Format	Color
Hex	AA75C0
RGB	170, 117, 192
RGB Percent	67%, 46%, 75%
CMY	0.3333, 0.5412, 0.2471
CMYK	0.11, 0.39, 0.00, 0.25
HSL	282°, 37%, 61%
HSV	282°, 39%, 75%
XYZ	32.4533, 25.0744, 52.9985
YIQ	141.3970, 7.5130, 34.5610

Conversions

Conversions Part 2

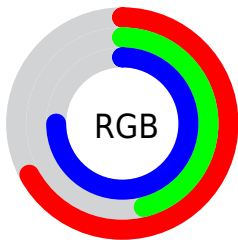
Format	Color
R _Y B	170, 117, 192
Decimal	11171264
CIE _{Lab}	57.15, 34.18, -31.21
CIE _{LCh}	57, 46.282, 317.600
Y _{xy}	25.0744, 0.2936, 0.2269
Android (android.graphics.Color)	4289361344 (0xFFAA75C0)
YUV	141.3970, 24.9473, 25.0848
Hunter-Lab	50.0743, 28.0561, -27.7003

Details

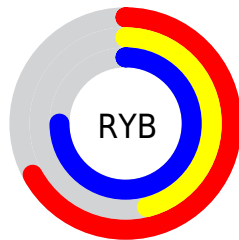
The RYB color **170, 117, 192** is a light color, and the websafe version is hex **996699**. A complement of this color would be **117, 192, 170**, and the grayscale version is **141, 141, 141**.

A 20% lighter version of the original color is **226, 170, 249**, and **116, 67, 138** is the 20% darker color. If you saturate the color by 10%, you get **164, 98, 192**, and if you desaturate by 10%, it is **176, 136, 192**.

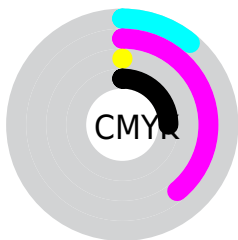
Distribution



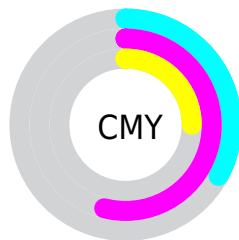
- Red (67%)
- Green (46%)
- Blue (75%)



- Red (67%)
- Yellow (46%)
- Blue (75%)



- Cyan (11%)
- Magenta (39%)
- Yellow (0%)
- Black (25%)



- Cyan (33%)
- Magenta (54%)
- Yellow (25%)


Brightness & Saturation Gradients

These gradients show how the RYB color 170, 117, 192 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, 117, 192 by changing the saturation by 10% instead.

 170, 117, 192

255, 255, 255

 226, 170, 249

 255, 198, 255

 255, 226, 255


 170, 117, 192

 143, 92, 165


 116, 67, 138

 91, 43, 112

 66, 20, 88

 41, 0, 64

 19, 0, 42

 0, 1, 19

 0, 0, 0


 170, 117, 192


 170, 117, 192

 164, 98, 192

 176, 136, 192

 159, 79, 192

 181, 155, 192

 153, 59, 192

 187, 175, 192

 147, 40, 192

 192, 194, 193

 142, 21, 192

 192, 213, 207

 136, 2, 192

 192, 232, 220

 136, 0, 192

 192, 251, 234

 192, 255, 232

 192, 255, 226

Harmonies

Analogous

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



111, 129, 214



170, 117, 192



203, 104, 156

Triad

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



170, 117, 192



131, 175, 56



0, 79, 160

Complementary

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



170, 117, 192



117, 192, 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, 89, 156



170, 117, 192



56, 142, 61

Square

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



170, 117, 192



201, 128, 79



80, 151, 140



0, 86, 196

Rectangle

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



170, 117, 192



212, 102, 128



80, 151, 140



0, 81, 157

Sweetspot

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



170, 117, 192



241, 220, 250



117, 134, 192



120, 107, 125



252, 252, 252



125, 125, 125

Same Dimension

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



170, 117, 192



215, 132, 250



192, 117, 177



94, 87, 97



114, 0, 161



23, 0, 33

Inverse Universe

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



192, 117, 139



250, 132, 167



117, 180, 192



97, 87, 90



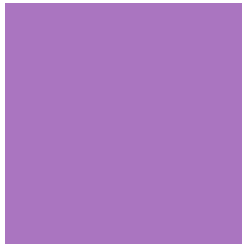
161, 0, 47



33, 0, 10

Previews

White Background



This preview shows how the RYB color 170, 117, 192 looks on a white background.

Color Contrast Check

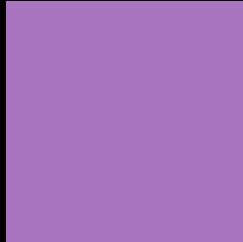
Large Text (above 18pt) WCAG AA ✓ Pass

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, 117, 192 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, 117, 192 Background



This preview shows how black text looks on a background with the RYB color 170, 117, 192.

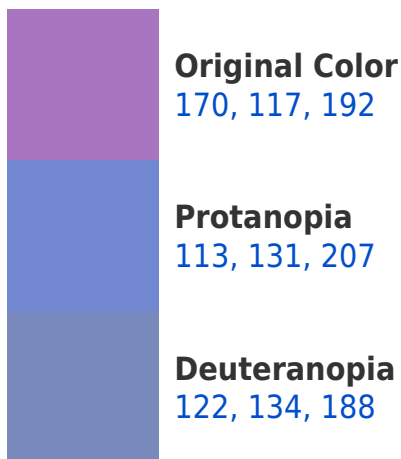


This preview shows how white text looks on a background with the RYB color 170, 117, 192.

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
162, 128, 138

Trichromacy



Original Color

170, 117, 192



Protanomaly

134, 128, 202



Deuteranomaly

139, 129, 189



Tritanomaly

165, 124, 158

Monochromacy



Original Color

170, 117, 192



Achromatopsia

141, 141, 141



Achromatomaly

152, 132, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 117, 192 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, 117, 192)` looks like.

```
.text, #text, p{  
    color:rgb(170, 117, 192)  
}
```

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, 117, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 117, 192) }
```

Border

The CSS property to change the border of an element to RYB 170, 117, 192 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, 117, 192) }
```

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

```
.border{ border-color:rgb(170, 117, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 117, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 117, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 117, 192);  
box-shadow:4px 4px 4px 4px rgb(170, 117,  
192) }
```

Background

The CSS property to change the background color of an element to RYB 170, 117, 192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 117, 192) }
```

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

```
.background{ background-color: rgb(170,  
117, 192) }
```

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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