

Converting Colors

`RYB(190, 117, 170)`

Have a look what the booklet for
RYB(190, 117, 170) contains.

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Color

R_YB(190, 117, 170)

Conversions

Conversions Part 1

Format	Color
Hex	BE75AA
RGB	190, 117, 170
RGB Percent	75%, 46%, 67%
CMY	0.2549, 0.5412, 0.3333
CMYK	0.00, 0.38, 0.11, 0.25
HSL	316°, 36%, 60%
HSV	316°, 38%, 75%
XYZ	34.8522, 26.5720, 41.3222
YIQ	144.8690, 26.4950, 31.9590

Conversions

Conversions Part 2

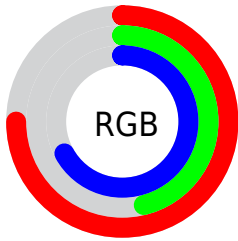
Format	Color
R _{YB}	190, 117, 170
Decimal	12481962
CIE Lab	58.58, 36.43, -16.22
CIE LCh	59, 39.877, 335.997
Yxy	26.5720, 0.3392, 0.2586
Android (android.graphics.Color)	4290672042 (0xFFBE75AA)
YUV	144.8690, 12.3896, 39.5799
Hunter-Lab	51.5480, 30.4767, -11.4447

Details

The RYB color **190, 117, 170** is a light color, and the websafe version is hex **996699**. A complement of this color would be **117, 174, 190**, and the grayscale version is **145, 145, 145**.

A 20% lighter version of the original color is **247, 170, 225**, and **135, 66, 118** is the 20% darker color. If you saturate the color by 10%, you get **190, 98, 165**, and if you desaturate by 10%, it is **190, 136, 175**.

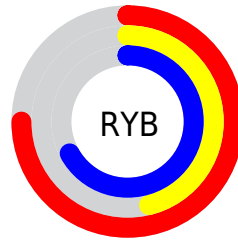
Distribution



Red (75%)

Green (46%)

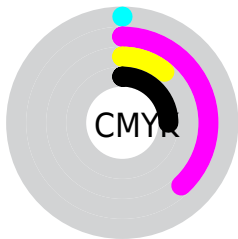
Blue (67%)



Red (75%)

Yellow (46%)

Blue (67%)

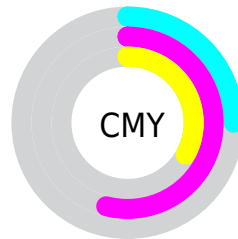


Cyan (0%)

Magenta (38%)

Yellow (11%)

Black (25%)



Cyan (25%)


Magenta (54%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 190, 117, 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 190, 117, 170 by changing the saturation by 10% instead.


 190, 117, 170

255, 255, 255

 247, 170, 225

 255, 198, 254

 255, 226, 255

 190, 117, 170

 162, 91, 143

 135, 66, 118

 109, 42, 93

 83, 16, 69


 58, 0, 47

 38, 0, 26


 0, 0, 0

 190, 117, 170


 190, 98, 165


 190, 117, 170

 190, 136, 175


 190, 79, 160


 190, 155, 180

 190, 60, 154

 190, 174, 186

 190, 41, 149

 190, 192, 193

 190, 22, 144

 190, 207, 212

 190, 3, 139

 190, 222, 231

 190, 0, 138

 190, 237, 250

 190, 239, 255

 190, 236, 255

Harmonies

Analogous

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



153, 129, 198



190, 117, 170



207, 112, 135

Triad

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



190, 117, 170



88, 156, 70



0, 84, 181

Complementary

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



190, 117, 170



117, 174, 190

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, 83, 159



190, 117, 170



83, 151, 115

Square

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



190, 117, 170



185, 177, 77



73, 131, 157



0, 87, 204

Rectangle

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



190, 117, 170



207, 115, 112



73, 131, 157



0, 82, 170

Sweetspot

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



190, 117, 170



247, 218, 239



136, 117, 190



125, 107, 120



252, 252, 252



125, 125, 125

Same Dimension

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



190, 117, 170



247, 134, 216



190, 117, 134



94, 85, 92



158, 0, 115



31, 0, 22

Inverse Universe

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



190, 117, 170



247, 134, 216



117, 158, 190



94, 85, 92



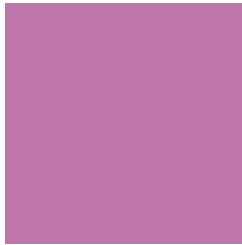
158, 0, 115



31, 0, 22

Previews

White Background



This preview shows how the RYB color 190, 117, 170 looks on a white background.

Color Contrast Check

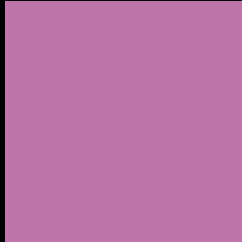
Large Text (above 18pt) WCAG AA ✓ Pass

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 190, 117, 170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

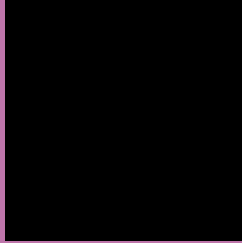
Any Text WCAG AA ✓ Pass

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 190, 117, 170 Background



This preview shows how black text looks on a background with the RYB color 190, 117, 170.

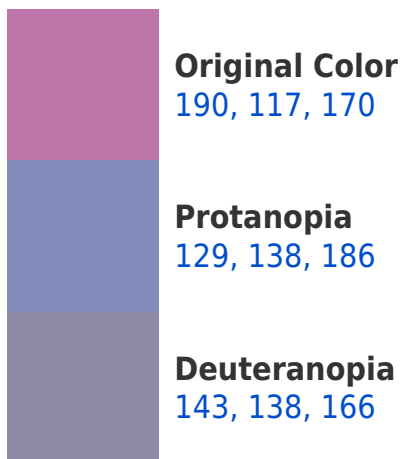


This preview shows how white text looks on a background with the RYB color 190, 117, 170.

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
186, 124, 134

Trichromacy



Original Color
190, 117, 170

Protanomaly
151, 132, 180

Deuteranomaly
160, 130, 167

Tritanomaly
187, 121, 147

Monochromacy



Original Color
190, 117, 170

Achromatopsia
145, 145, 145

Achromatomaly
161, 135, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 190, 117, 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(190, 117, 170)` looks like.

```
.text, #text, p{  
    color:rgb(190, 117, 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(190, 117, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 117, 170) }
```

Border

The CSS property to change the border of an element to RYB 190, 117, 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(190, 117, 170) }
```

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

```
.border{ border-color:rgb(190, 117, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 117, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 117, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 117, 170);  
box-shadow:4px 4px 4px 4px rgb(190, 117,  
170) }
```

Background

The CSS property to change the background color of an element to RYB 190, 117, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 117, 170) }
```

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

```
.background{ background-color: rgb(190,  
117, 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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