

Converting Colors

`RYB(119, 118, 170)`

Have a look what the booklet for
RYB(119, 118, 170) contains.

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Color

R_YB(119, 118, 170)

Conversions

Conversions Part 1

Format	Color
Hex	7776AA
RGB	119, 118, 170
RGB Percent	47%, 46%, 67%
CMY	0.5333, 0.5373, 0.3333
CMYK	0.30, 0.31, 0.00, 0.33
HSL	241°, 23%, 56%
HSV	241°, 31%, 67%
XYZ	21.3419, 19.7811, 40.7235
YIQ	124.2270, -16.0960, 16.3840

Conversions

Conversions Part 2

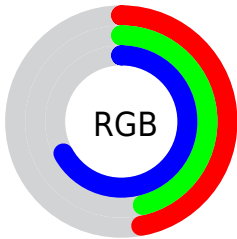
Format	Color
R_{YB}	119, 118, 170
Decimal	7829162
CIE _{Lab}	51.59, 12.57, -27.57
CIE _{LCh}	52, 30.297, 294.516
Yxy	19.7811, 0.2608, 0.2417
Android (android.graphics.Color)	4286019242 (0xFF7776AA)
YUV	124.2270, 22.5661, -4.5841
Hunter-Lab	44.4759, 7.8208, -23.1546

Details

The RYB color **119, 118, 170** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **118, 170, 119**, and the grayscale version is **124, 124, 124**.

A 20% lighter version of the original color is **172, 170, 225**, and **69, 70, 118** is the 20% darker color. If you saturate the color by 10%, you get **102, 101, 170**, and if you desaturate by 10%, it is **136, 135, 170**.

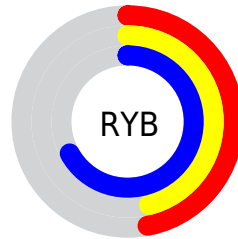
Distribution



Red (47%)

Green (46%)

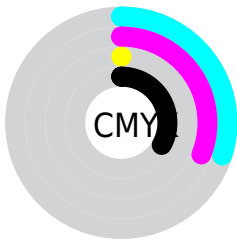
Blue (67%)



Red (47%)

Yellow (46%)

Blue (67%)

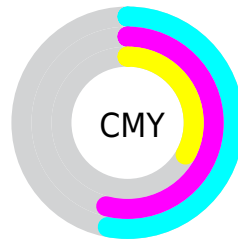


Cyan (30%)

Magenta (31%)

Yellow (0%)

Black (33%)



Cyan (53%)

Magenta (54%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 119, 118, 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 119, 118, 170 by changing the saturation by 10% instead.

■ 119, 118, 170

255, 255, 255

■ 172, 170, 225

■ 200, 197, 254

■ 229, 225, 255

255, 254, 255

■ 119, 118, 170

■ 102, 101, 170

■ 119, 118, 170

■ 93, 93, 143

■ 69, 70, 118

■ 44, 48, 93

■ 19, 26, 69

■ 0, 0, 46

■ 0, 1, 25

■ 0, 0, 0

■ 119, 118, 170

■ 136, 135, 170

86, 84, 170

152, 152, 170

69, 67, 170

169, 169, 170

52, 50, 170

170, 186, 170

36, 33, 170

170, 203, 171

19, 16, 170

170, 220, 171

3, 0, 170

170, 237, 171

170, 254, 172

170, 255, 170

Harmonies

Analogous

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



76, 110, 174



119, 118, 170



151, 109, 153

Triad

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



119, 118, 170



164, 127, 82



53, 100, 136

Complementary

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



119, 118, 170



118, 170, 119

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.



88, 130, 134



119, 118, 170



107, 144, 71

Square

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



119, 118, 170



173, 104, 103



75, 128, 85



7, 73, 144

Rectangle

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



119, 118, 170



165, 104, 137



75, 128, 85



65, 109, 136

Sweetspot

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



119, 118, 170



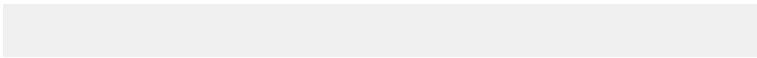
202, 202, 222



118, 144, 170



100, 100, 112



240, 240, 240



112, 112, 112

Same Dimension

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



119, 118, 170



141, 140, 222



145, 118, 170



76, 76, 84



3, 0, 148



0, 0, 20

Inverse Universe

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



170, 118, 169



222, 140, 220



118, 170, 145



84, 76, 84



148, 0, 145



20, 0, 20

Previews

White Background



This preview shows how the RYB color 119, 118, 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 119, 118, 170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

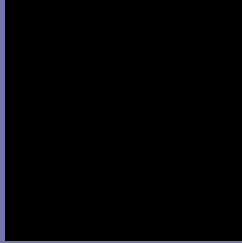
Any Text WCAG AA ✓ Pass

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 119, 118, 170 Background



This preview shows how black text looks on a background with the RYB color 119, 118, 170.



This preview shows how white text looks on a background with the RYB color 119, 118, 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



Original Color
119, 118, 170

Protanopia
107, 119, 172

Deuteranopia
108, 119, 169



Tritanopia
112, 120, 135

Trichromacy



Original Color

119, 118, 170

Protanomaly

111, 119, 171

Deuteranomaly

112, 119, 169

Tritanomaly

115, 121, 148

Monochromacy



Original Color

119, 118, 170

Achromatopsia

124, 124, 124

Achromatomaly

122, 122, 141

CSS Examples

Text

The CSS property to change the color of the text to RYB 119, 118, 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(119, 118, 170)` looks like.

```
.text, #text, p{  
    color:rgb(119, 118, 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(119, 118, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 118, 170) }
```

Border

The CSS property to change the border of an element to RYB 119, 118, 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(119, 118, 170) }
```

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

```
.border{ border-color:rgb(119, 118, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 118, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 118, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 118, 170);  
box-shadow:4px 4px 4px 4px rgb(119, 118,  
170) }
```

Background

The CSS property to change the background color of an element to RYB 119, 118, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 118, 170) }
```

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

```
.background{ background-color: rgb(119,  
118, 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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