

Converting Colors

`RYB(120, 118, 120)`

Have a look what the booklet for
RYB(120, 118, 120) contains.

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Color

R_YB(120, 118, 120)

Conversions

Conversions Part 1

Format	Color
Hex	787678
RGB	120, 118, 120
RGB Percent	47%, 46%, 47%
CMY	0.5294, 0.5373, 0.5294
CMYK	0.00, 0.02, 0.00, 0.53
HSL	300°, 1%, 47%
HSV	300°, 2%, 47%
XYZ	17.6143, 18.3060, 20.3743
YIQ	118.8260, 0.5500, 1.0460

Conversions

Conversions Part 2

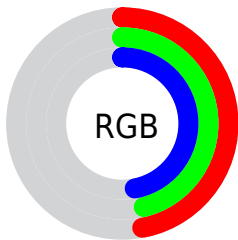
Format	Color
R_{YB}	120, 118, 120
Decimal	7894648
CIE Lab	49.87, 1.16, -0.83
CIE LCh	50, 1.432, 324.405
Yxy	18.3060, 0.3129, 0.3252
Android (android.graphics.Color)	4286084728 (0xFF787678)
YUV	118.8260, 0.5788, 1.0296
Hunter-Lab	42.7855, -1.3882, 1.7161

Details

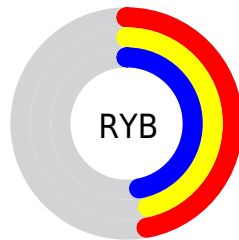
The RYB color **120, 118, 120** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **118, 120, 120**, and the grayscale version is **119, 119, 119**.

A 20% lighter version of the original color is **172, 170, 172**, and **72, 70, 72** is the 20% darker color. If you saturate the color by 10%, you get **120, 106, 120**, and if you desaturate by 10%, it is **120, 130, 130**.

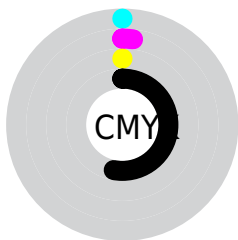
Distribution



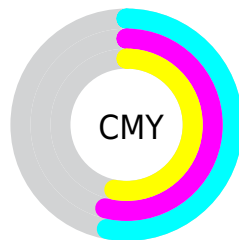
- Red (47%)
- Green (46%)
- Blue (47%)



- Red (47%)
- Yellow (46%)
- Blue (47%)



- Cyan (0%)
- Magenta (2%)
- Yellow (0%)
- Black (53%)



- Cyan (53%)
- Magenta (54%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 118, 120 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 120, 118, 120 by changing the saturation by 10% instead.

■ 120, 118, 120

255, 255, 255

■ 172, 170, 172

■ 200, 197, 200

■ 228, 225, 228

255, 254, 255

■ 120, 118, 120

■ 120, 106, 120

■ 120, 94, 120

■ 120, 118, 120

■ 95, 93, 95

■ 72, 70, 72

■ 49, 48, 49

■ 28, 27, 28

■ 1, 0, 1

■ 0, 0, 0

■ 120, 118, 120

■ 120, 130, 130

■ 120, 142, 142

120, 82, 120

120, 154, 154

120, 70, 120

120, 166, 166

120, 58, 120

120, 178, 178

120, 46, 120

120, 190, 190

120, 34, 120

120, 202, 202

120, 22, 120

120, 214, 214

120, 10, 120

120, 226, 226

Harmonies

Analogous

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



119, 118, 121



120, 118, 120



121, 118, 119

Triad

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



120, 118, 120



120, 120, 116



116, 118, 120

Complementary

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



120, 118, 120



118, 120, 120

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.



116, 118, 119



120, 118, 120



116, 119, 116

Square

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



120, 118, 120



121, 118, 117



117, 119, 119



116, 118, 120

Rectangle

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



120, 118, 120



121, 118, 118



117, 119, 119



116, 118, 119

Sweetspot

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



120, 118, 120



156, 156, 156



118, 118, 120



79, 79, 79



207, 207, 207

Same Dimension

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



120, 118, 120



156, 152, 156



120, 118, 119



61, 60, 61



125, 0, 125



252, 0, 252

Inverse Universe

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



120, 118, 120



156, 152, 156



118, 119, 120



61, 60, 61



125, 0, 125



252, 0, 252

Previews

White Background



This preview shows how the RYB color 120, 118, 120 looks on a white background.

Color Contrast Check

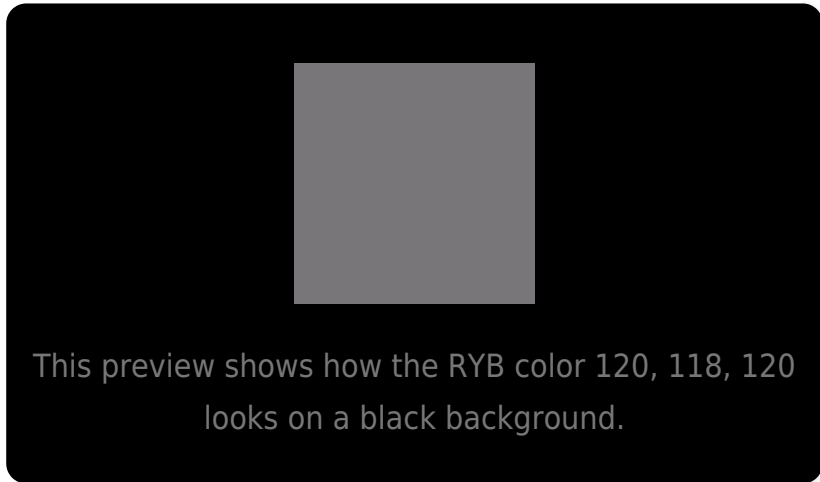
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

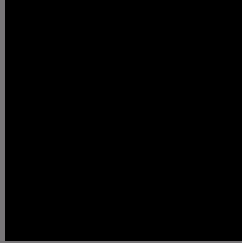
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

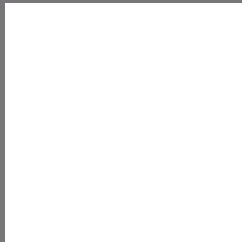
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

R Y B 120, 118, 120 Background



This preview shows how black text looks on a background with the R Y B color 120, 118, 120.



This preview shows how white text looks on a background with the R Y B color 120, 118, 120.

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
[120](#), [118](#), [120](#)

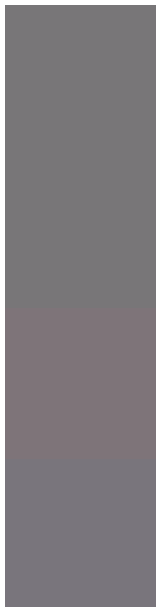
Protanopia
[120](#), [118](#), [120](#)

Deuteranopia
[129](#), [115](#), [121](#)



Tritanopia
121, 117, 126

Trichromacy



Original Color

120, 118, 120

Protanomaly

120, 118, 120

Deuteranomaly

126, 116, 121

Tritanomaly

121, 117, 124

Monochromacy



Original Color

120, 118, 120

Achromatopsia

119, 119, 119

Achromatomaly

119, 119, 119

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 118, 120 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(120, 118, 120)` looks like.

```
.text, #text, p{  
    color:rgb(120, 118, 120)  
}
```

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(120, 118, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 118, 120) }
```

Border

The CSS property to change the border of an element to RYB 120, 118, 120 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(120, 118, 120) }
```

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

```
.border{ border-color:rgb(120, 118, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 118, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 118, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 118, 120);  
box-shadow:4px 4px 4px 4px rgb(120, 118,  
120) }
```

Background

The CSS property to change the background color of an element to RYB 120, 118, 120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 118, 120) }
```

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

```
.background{ background-color: rgb(120,  
118, 120) }
```

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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