

Converting Colors

`RYB(120, 107, 132)`

Have a look what the booklet for
RYB(120, 107, 132) contains.

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Color

R_YB(120, 107, 132)

Conversions

Conversions Part 1

Format	Color
Hex	786B84
RGB	120, 107, 132
RGB Percent	47%, 42%, 52%
CMY	0.5294, 0.5804, 0.4824
CMYK	0.09, 0.19, 0.00, 0.48
HSL	271°, 10%, 47%
HSV	271°, 19%, 52%
XYZ	17.1683, 16.1744, 24.0469
YIQ	113.7370, -0.2770, 10.5310

Conversions

Conversions Part 2

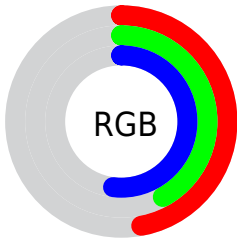
Format	Color
R_{YB}	120, 107, 132
Decimal	7891844
CIE _{Lab}	47.20, 10.22, -11.92
CIE _{LCh}	47, 15.700, 310.591
Yxy	16.1744, 0.2992, 0.2818
Android (android.graphics.Color)	4286081924 (0xFF786B84)
YUV	113.7370, 9.0037, 5.4927
Hunter-Lab	40.2174, 5.8188, -7.2986

Details

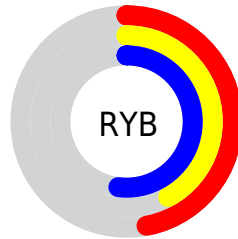
The RYB color **120, 107, 132** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **107, 132, 120**, and the grayscale version is **114, 114, 114**.

A 20% lighter version of the original color is **172, 158, 185**, and **71, 60, 83** is the 20% darker color. If you saturate the color by 10%, you get **114, 94, 132**, and if you desaturate by 10%, it is **126, 120, 132**.

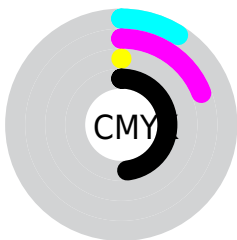
Distribution



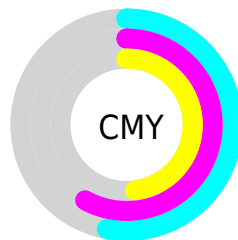
- Red (47%)
- Green (42%)
- Blue (52%)



- Red (47%)
- Yellow (42%)
- Blue (52%)



- Cyan (9%)
- Magenta (19%)
- Yellow (0%)
- Black (48%)



- Cyan (53%)
- Magenta (58%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 107, 132 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, 107, 132 by changing the saturation by 10% instead.

■ 120, 107, 132

255, 255, 255

■ 172, 158, 185

■ 200, 185, 213

■ 228, 213, 241

■ 255, 241, 255

■ 120, 107, 132

■ 95, 83, 107

■ 71, 60, 83

■ 49, 38, 59

■ 27, 18, 38

■ 0, 1, 16

■ 0, 0, 0

■ 120, 107, 132

■ 114, 94, 132

■ 107, 81, 132

■ 120, 107, 132

■ 126, 120, 132

■ 132, 133, 132

101, 67, 132

132, 147, 140

95, 54, 132

132, 160, 147

88, 41, 132

132, 173, 153

82, 28, 132

132, 186, 160

76, 15, 132

132, 199, 167

69, 1, 132

132, 213, 174

69, 0, 132

132, 226, 181

Harmonies

Analogous

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



103, 110, 138



120, 107, 132



133, 104, 121

Triad

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



120, 107, 132



130, 128, 87



77, 100, 120

Complementary

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



120, 107, 132



107, 132, 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.



88, 109, 119



120, 107, 132



91, 117, 86

Square

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



120, 107, 132



138, 106, 95



92, 116, 106



76, 99, 129

Rectangle

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



120, 107, 132



138, 103, 112



92, 116, 106



80, 101, 119

Sweetspot

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



120, 107, 132



166, 161, 171



107, 115, 132



84, 81, 87



214, 214, 214



87, 87, 87

Same Dimension

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



120, 107, 132



152, 132, 171



132, 107, 132



63, 60, 66



68, 0, 130



1, 0, 3

Inverse Universe

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



132, 107, 119



171, 132, 150



107, 132, 132



66, 60, 63



130, 0, 62



3, 0, 1

Previews

White Background



This preview shows how the RYB color 120, 107, 132 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



This preview shows how the RYB color 120, 107, 132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

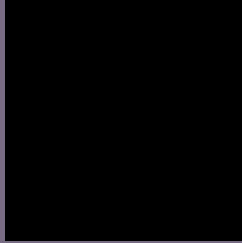
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RYB 120, 107, 132 Background



This preview shows how black text looks on a background with the RYB color 120, 107, 132.



This preview shows how white text looks on a background with the RYB color 120, 107, 132.

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

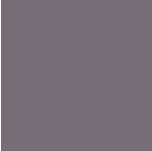
120, 107, 132

Protanopia

107, 111, 135

Deuteranopia

113, 109, 132



Tritanopia
118, 109, 118

Trichromacy



Original Color

120, 107, 132

Protanomaly

112, 110, 134

Deuteranomaly

116, 108, 132

Tritanomaly

119, 108, 123

Monochromacy



Original Color

120, 107, 132

Achromatopsia

114, 114, 114

Achromatomaly

116, 111, 121

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 107, 132 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, 107, 132)` looks like.

```
.text, #text, p{  
    color:rgb(120, 107, 132)  
}
```

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, 107, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 107, 132) }
```

Border

The CSS property to change the border of an element to RYB 120, 107, 132 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, 107, 132) }
```

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

```
.border{ border-color:rgb(120, 107, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 107, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 107, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 107, 132);  
box-shadow:4px 4px 4px 4px rgb(120, 107,  
132) }
```

Background

The CSS property to change the background color of an element to RYB 120, 107, 132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 107, 132) }
```

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

```
.background{ background-color: rgb(120,  
107, 132) }
```

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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