

Converting Colors

`RYB(116, 107, 132)`

Have a look what the booklet for
RYB(116, 107, 132) contains.

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Color

R_YB(116, 107, 132)

Conversions

Conversions Part 1

Format	Color
Hex	746B84
RGB	116, 107, 132
RGB Percent	45%, 42%, 52%
CMY	0.5451, 0.5804, 0.4824
CMYK	0.12, 0.19, 0.00, 0.48
HSL	262°, 10%, 47%
HSV	262°, 19%, 52%
XYZ	16.6250, 15.8943, 24.0215
YIQ	112.5410, -2.6610, 9.6830

Conversions

Conversions Part 2

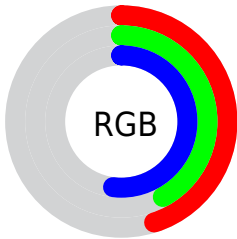
Format	Color
R_{YB}	116, 107, 132
Decimal	7629700
CIE Lab	46.84, 8.78, -12.51
CIE LCh	47, 15.287, 305.069
Yxy	15.8943, 0.2940, 0.2811
Android (android.graphics.Color)	4285819780 (0xFF746B84)
YUV	112.5410, 9.5933, 3.0335
Hunter-Lab	39.8677, 4.6668, -7.8166

Details

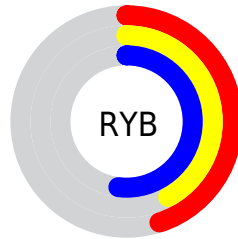
The RYB color **116, 107, 132** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **107, 132, 116**, and the grayscale version is **112, 112, 112**.

A 20% lighter version of the original color is **168, 158, 185**, and **68, 60, 83** is the 20% darker color. If you saturate the color by 10%, you get **108, 94, 132**, and if you desaturate by 10%, it is **124, 120, 132**.

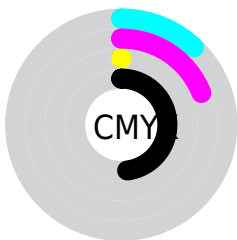
Distribution



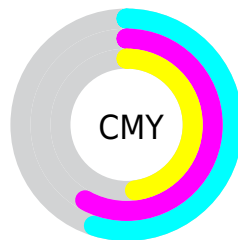
- Red (45%)
- Green (42%)
- Blue (52%)



- Red (45%)
- Yellow (42%)
- Blue (52%)



- Cyan (12%)
- Magenta (19%)
- Yellow (0%)
- Black (48%)



- Cyan (55%)
- Magenta (58%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the RYB color 116, 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 116, 107, 132 by changing the saturation by 10% instead.

■ 116, 107, 132

255, 255, 255

■ 168, 158, 185

■ 195, 185, 213

■ 223, 213, 241

■ 252, 241, 255

■ 116, 107, 132

■ 91, 83, 107

■ 68, 60, 83

■ 45, 38, 59

■ 24, 18, 38

■ 0, 1, 16

■ 0, 0, 0

■ 116, 107, 132

■ 108, 94, 132

■ 99, 81, 132

■ 116, 107, 132

■ 124, 120, 132

■ 132, 133, 132

91, 67, 132

132, 147, 138

82, 54, 132

132, 160, 142

74, 41, 132

132, 173, 147

65, 28, 132

132, 186, 151

57, 15, 132

132, 199, 156

48, 1, 132

132, 213, 161

48, 0, 132

132, 226, 166

Harmonies

Analogous

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



99, 108, 136



116, 107, 132



130, 103, 122

Triad

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



116, 107, 132



130, 123, 88



79, 100, 118

Complementary

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



116, 107, 132



107, 132, 116

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.



90, 110, 117



116, 107, 132



97, 119, 86

Square

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



116, 107, 132



137, 104, 97



90, 115, 101



76, 99, 125

Rectangle

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



116, 107, 132



135, 102, 114



90, 115, 101



82, 103, 118

Sweetspot

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



116, 107, 132



164, 161, 171



107, 117, 132



83, 81, 87



214, 214, 214



87, 87, 87

Same Dimension

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



116, 107, 132



146, 132, 171



128, 107, 132



62, 60, 66



47, 0, 130



1, 0, 3

Inverse Universe

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



132, 107, 123



171, 132, 157



107, 132, 128



66, 60, 64



130, 0, 83



3, 0, 2

Previews

White Background



This preview shows how the RYB color 116, 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 116, 107, 132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

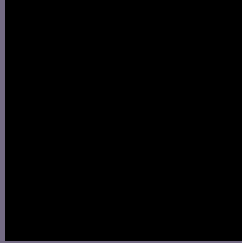
Any Text WCAG AA × Fail

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 116, 107, 132 Background



This preview shows how black text looks on a background with the RYB color 116, 107, 132.



This preview shows how white text looks on a background with the RYB color 116, 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
[116](#), [107](#), [132](#)

Protanopia
[106](#), [110](#), [134](#)

Deuteranopia
[112](#), [108](#), [132](#)



Tritanopia

114, 109, 118

Trichromacy



Original Color

116, 107, 132

Protanomaly

110, 109, 133

Deuteranomaly

113, 108, 132

Tritanomaly

115, 108, 123

Monochromacy



Original Color

116, 107, 132

Achromatopsia

113, 113, 113

Achromatomaly

114, 111, 120

CSS Examples

Text

The CSS property to change the color of the text to RYB 116, 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(116, 107, 132) looks like.

```
.text, #text, p{  
    color:rgb(116, 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(116, 107, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 107, 132) }
```

Border

The CSS property to change the border of an element to RYB 116, 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(116, 107, 132) }
```

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

```
.border{ border-color:rgb(116, 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(116, 107, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 107, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 107, 132);  
box-shadow:4px 4px 4px 4px rgb(116, 107,  
132) }
```

Background

The CSS property to change the background color of an element to RYB 116, 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(116, 107, 132) }
```

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

```
.background{ background-color: rgb(116,  
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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