

Converting Colors

`RYB(118, 114, 163)`

Have a look what the booklet for
RYB(118, 114, 163) contains.

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Color

R_YB(118, 114, 163)

Conversions

Conversions Part 1

Format	Color
Hex	7672A3
RGB	118, 114, 163
RGB Percent	46%, 45%, 64%
CMY	0.5373, 0.5529, 0.3608
CMYK	0.28, 0.30, 0.00, 0.36
HSL	245°, 21%, 54%
HSV	245°, 30%, 64%
XYZ	20.0994, 18.5305, 37.1677
YIQ	120.7820, -13.3450, 16.0870

Conversions

Conversions Part 2

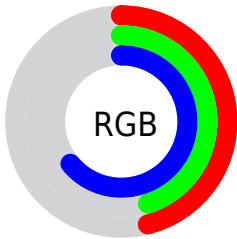
Format	Color
R_{YB}	118, 114, 163
Decimal	7762595
CIE _{Lab}	50.13, 12.83, -25.75
CIE _{LCh}	50, 28.771, 296.481
Yxy	18.5305, 0.2652, 0.2445
Android (android.graphics.Color)	4285952675 (0xFF7672A3)
YUV	120.7820, 20.8135, -2.4398
Hunter-Lab	43.0471, 8.0121, -21.0592

Details

The RYB color **118, 114, 163** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **114, 163, 118**, and the grayscale version is **121, 121, 121**.

A 20% lighter version of the original color is **171, 166, 218**, and **68, 66, 111** is the 20% darker color. If you saturate the color by 10%, you get **103, 98, 163**, and if you desaturate by 10%, it is **133, 130, 163**.

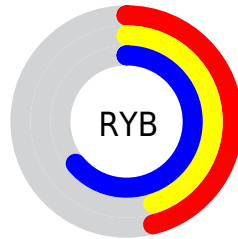
Distribution



Red (46%)

Green (45%)

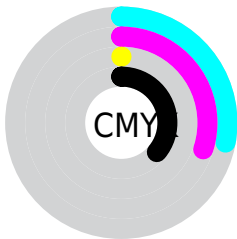
Blue (64%)



Red (46%)

Yellow (45%)

Blue (64%)

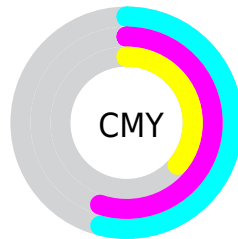


Cyan (28%)

Magenta (30%)

Yellow (0%)

Black (36%)



Cyan (54%)

Magenta (55%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 118, 114, 163 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 118, 114, 163 by changing the saturation by 10% instead.

■ 118, 114, 163

255, 255, 255

■ 171, 166, 218

■ 199, 193, 247

■ 227, 221, 255

■ 255, 249, 255

■ 118, 114, 163

■ 93, 90, 137

■ 68, 66, 111

■ 44, 44, 86

■ 20, 24, 63

■ 0, 0, 41

■ 0, 1, 19

■ 0, 0, 0

■ 118, 114, 163

■ 103, 98, 163

■ 118, 114, 163

■ 133, 130, 163

■ 88, 81, 163

■ 148, 147, 163

■ 73, 65, 163

■ 163, 163, 163

■ 58, 49, 163

■ 163, 179, 164

■ 43, 33, 163

■ 163, 195, 165

■ 28, 16, 163

■ 163, 212, 167

■ 13, 0, 163

■ 163, 228, 168

■ 163, 244, 169

■ 163, 255, 165

Harmonies

Analogous

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



79, 108, 168



118, 114, 163



147, 105, 147

Triad

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



118, 114, 163



157, 125, 79



52, 97, 132

Complementary

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



118, 114, 163



114, 163, 118

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.



84, 124, 130



118, 114, 163



100, 138, 70

Square

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



118, 114, 163



167, 102, 99



75, 124, 86



18, 77, 140

Rectangle

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



118, 114, 163



160, 102, 131



75, 124, 86



63, 105, 132

Sweetspot

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



118, 114, 163



194, 193, 212



114, 138, 163



96, 95, 107



235, 235, 235



107, 107, 107

Same Dimension

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



118, 114, 163



142, 135, 212



142, 114, 163



74, 73, 82



12, 0, 145



1, 0, 18

Inverse Universe

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



163, 114, 159



212, 135, 205



114, 163, 142



82, 73, 81



145, 0, 133



18, 0, 16

Previews

White Background



This preview shows how the RYB color 118, 114, 163 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 118, 114, 163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

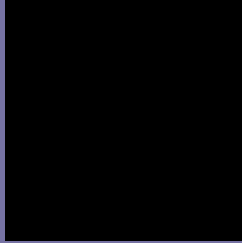
Any Text WCAG AA ✓ Pass

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 118, 114, 163 Background



This preview shows how black text looks on a background with the RYB color 118, 114, 163.



This preview shows how white text looks on a background with the RYB color 118, 114, 163.

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

118, 114, 163

Protanopia

105, 116, 166

Deuteranopia

106, 116, 162



Tritanopia
111, 117, 130

Trichromacy



Original Color

118, 114, 163

Protanomaly

110, 116, 165

Deuteranomaly

110, 116, 162

Tritanomaly

114, 118, 142

Monochromacy



Original Color

118, 114, 163

Achromatopsia

121, 121, 121

Achromatomaly

120, 118, 136

CSS Examples

Text

The CSS property to change the color of the text to RYB 118, 114, 163 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(118, 114, 163)` looks like.

```
.text, #text, p{  
    color:rgb(118, 114, 163)  
}
```

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(118, 114, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 114, 163) }
```

Border

The CSS property to change the border of an element to RYB 118, 114, 163 is called "border". The border property can be set on classes, ids or directly on the HTML element.

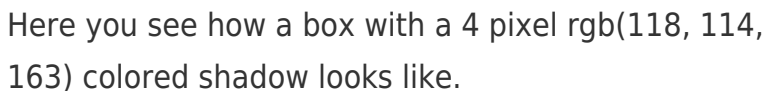
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 114, 163) }
```

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

```
.border{ border-color:rgb(118, 114, 163) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 114, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 114, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 114, 163); box-shadow:4px 4px 4px 4px rgb(118, 114, 163) }
```

Background

The CSS property to change the background color of an element to RYB 118, 114, 163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 114, 163) }
```

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

```
.background{ background-color: rgb(118,  
114, 163) }
```

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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