

Converting Colors

`RYB(128, 120, 159)`

Have a look what the booklet for
RYB(128, 120, 159) contains.

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Color

R_YB(128, 120, 159)

Conversions

Conversions Part 1

Format	Color
Hex	80789F
RGB	128, 120, 159
RGB Percent	50%, 47%, 62%
CMY	0.4980, 0.5294, 0.3765
CMYK	0.19, 0.25, 0.00, 0.38
HSL	252°, 17%, 55%
HSV	252°, 25%, 62%
XYZ	21.8766, 20.5253, 35.6097
YIQ	126.8380, -7.7510, 13.8250

Conversions

Conversions Part 2

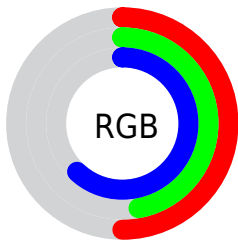
Format	Color
R_{YB}	128, 120, 159
Decimal	8419487
CIE _{Lab}	52.43, 11.48, -19.82
CIE _{LCh}	52, 22.904, 300.082
Yxy	20.5253, 0.2804, 0.2631
Android (android.graphics.Color)	4286609567 (0xFF80789F)
YUV	126.8380, 15.8559, 1.0191
Hunter-Lab	45.3049, 6.9095, -14.8885

Details

The RYB color **128, 120, 159** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **120, 159, 128**, and the grayscale version is **127, 127, 127**.

A 20% lighter version of the original color is **181, 172, 214**, and **78, 72, 107** is the 20% darker color. If you saturate the color by 10%, you get **115, 104, 159**, and if you desaturate by 10%, it is **141, 136, 159**.

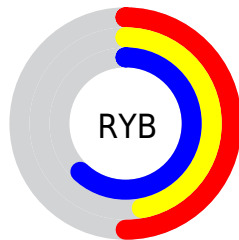
Distribution



Red (50%)

Green (47%)

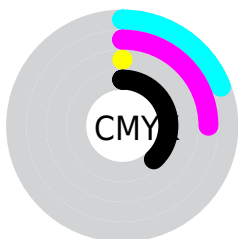
Blue (62%)



Red (50%)

Yellow (47%)

Blue (62%)

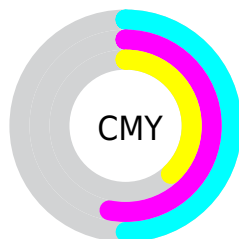


Cyan (19%)

Magenta (25%)

Yellow (0%)

Black (38%)



Cyan (50%)

Magenta (53%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 128, 120, 159 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 128, 120, 159 by changing the saturation by 10% instead.

■ 128, 120, 159

255, 255, 255

■ 181, 172, 214

■ 209, 200, 242

■ 237, 228, 255

■ 128, 120, 159

■ 103, 95, 133

■ 78, 72, 107

■ 55, 49, 83

■ 32, 28, 60

■ 13, 2, 38

■ 0, 1, 16

■ 0, 0, 0

■ 128, 120, 159

■ 115, 104, 159

■ 128, 120, 159

■ 141, 136, 159

103, 88, 159

153, 152, 159

90, 72, 159

159, 168, 161

77, 56, 159

159, 184, 164

65, 40, 159

159, 200, 168

52, 25, 159

159, 215, 170

40, 9, 159

159, 231, 174

33, 0, 159

159, 247, 177

159, 255, 172

Harmonies

Analogous

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



100, 119, 164



128, 120, 159



150, 114, 145

Triad

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



128, 120, 159



155, 133, 92



74, 108, 136

Complementary

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



128, 120, 159



120, 159, 128

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.



95, 126, 134



128, 120, 159



107, 139, 86

Square

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



128, 120, 159



164, 113, 106



91, 130, 103



63, 101, 144

Rectangle

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



128, 120, 159



160, 111, 132



91, 130, 103



81, 114, 136

Sweetspot

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



128, 120, 159



195, 192, 207



120, 137, 159



98, 96, 105



232, 232, 232



105, 105, 105

Same Dimension

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



128, 120, 159



159, 147, 207



147, 120, 159



73, 71, 79



29, 0, 143



3, 0, 15

Inverse Universe

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



159, 120, 151



207, 147, 194



120, 159, 147



79, 71, 77



143, 0, 114



15, 0, 12

Previews

White Background



This preview shows how the RYB color 128, 120, 159 looks on a white background.

Color Contrast Check

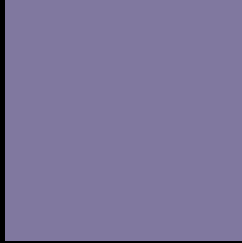
Large Text (above 18pt) WCAG AA ✓ Pass

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 128, 120, 159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

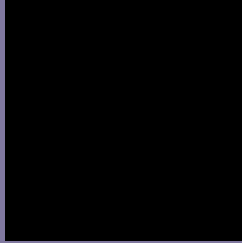
Any Text WCAG AA ✓ Pass

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 128, 120, 159 Background



This preview shows how black text looks on a background with the RYB color 128, 120, 159.



This preview shows how white text looks on a background with the RYB color 128, 120, 159.

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
[128](#), [120](#), [159](#)

Protanopia
[115](#), [123](#), [162](#)

Deuteranopia
[120](#), [123](#), [158](#)



Tritanopia

124, 125, 134

Trichromacy



Original Color

128, 120, 159

Protanomaly

120, 123, 161

Deuteranomaly

123, 122, 158

Tritanomaly

125, 123, 143

Monochromacy



Original Color

128, 120, 159

Achromatopsia

127, 127, 127

Achromatomaly

127, 124, 139

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 120, 159 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(128, 120, 159)` looks like.

```
.text, #text, p{  
    color:rgb(128, 120, 159)  
}
```

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(128, 120, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 120, 159) }
```

Border

The CSS property to change the border of an element to RYB 128, 120, 159 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(128, 120, 159) }
```

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

```
.border{ border-color:rgb(128, 120, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 120, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 120, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 120, 159);  
box-shadow:4px 4px 4px 4px rgb(128, 120,  
159) }
```

Background

The CSS property to change the background color of an element to RYB 128, 120, 159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 120, 159) }
```

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

```
.background{ background-color: rgb(128,  
120, 159) }
```

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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