

Converting Colors

`RYB(128, 120, 163)`

Have a look what the booklet for
RYB(128, 120, 163) contains.

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Color

`RYB(128, 120, 163)`

Conversions

Conversions Part 1

Format	Color
Hex	8078A3
RGB	128, 120, 163
RGB Percent	50%, 47%, 64%
CMY	0.4980, 0.5294, 0.3608
CMYK	0.21, 0.26, 0.00, 0.36
HSL	251°, 19%, 55%
HSV	251°, 26%, 64%
XYZ	22.2294, 20.6665, 37.4677
YIQ	127.2940, -9.0350, 15.0690

Conversions

Conversions Part 2

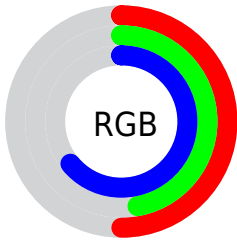
Format	Color
RYB	128, 120, 163
Decimal	8419491
CIELab	52.58, 12.44, -21.91
CIELCh	53, 25.193, 299.601
Yxy	20.6665, 0.2766, 0.2572
Android (android.graphics.Color)	4286609571 (0xFF8078A3)
YUV	127.2940, 17.6031, 0.6192
Hunter-Lab	45.4604, 7.7280, -17.0436

Details

The RYB color **128, 120, 163** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **120, 163, 128**, and the grayscale version is **127, 127, 127**.

A 20% lighter version of the original color is **181, 172, 218**, and **78, 72, 111** is the 20% darker color. If you saturate the color by 10%, you get **115, 104, 163**, and if you desaturate by 10%, it is **141, 136, 163**.

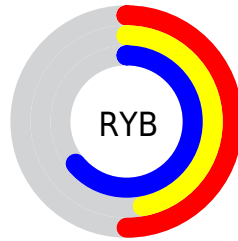
Distribution



Red (50%)

Green (47%)

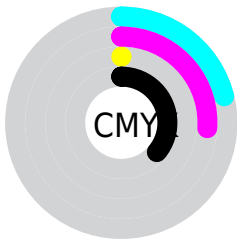
Blue (64%)



Red (50%)

Yellow (47%)

Blue (64%)

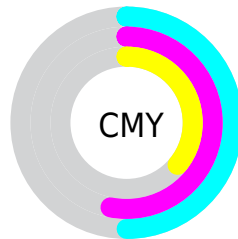


Cyan (21%)

Magenta (26%)

Yellow (0%)

Black (36%)



Cyan (50%)

Magenta (53%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 128, 120, 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 128, 120, 163 by changing the saturation by 10% instead.

■ 128, 120, 163

255, 255, 255

■ 181, 172, 218

■ 209, 200, 247

■ 238, 228, 255

■ 128, 120, 163

■ 103, 95, 137

■ 78, 72, 111

■ 54, 49, 87

■ 31, 28, 63

■ 12, 2, 41

■ 0, 1, 19

■ 0, 0, 0

■ 128, 120, 163

■ 115, 104, 163

■ 128, 120, 163

■ 141, 136, 163

101, 87, 163

155, 153, 163

88, 71, 163

163, 169, 164

75, 55, 163

163, 185, 167

62, 38, 163

163, 202, 171

48, 22, 163

163, 218, 173

35, 6, 163

163, 234, 176

30, 0, 163

163, 250, 179

163, 255, 171

Harmonies

Analogous

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



96, 118, 168



128, 120, 163



153, 113, 148

Triad

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



128, 120, 163



158, 136, 89



68, 106, 137

Complementary

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



128, 120, 163



120, 163, 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.



93, 127, 135



128, 120, 163



106, 141, 82

Square

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



128, 120, 163



168, 112, 105



87, 131, 100



53, 97, 146

Rectangle

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



128, 120, 163



163, 110, 134



87, 131, 100



76, 112, 137

Sweetspot

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



128, 120, 163



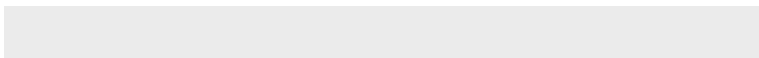
198, 195, 212



120, 139, 163



98, 96, 107



235, 235, 235



107, 107, 107

Same Dimension

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



128, 120, 163



157, 144, 212



149, 120, 163



75, 73, 82



27, 0, 145



3, 0, 18

Inverse Universe

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



163, 120, 155



212, 144, 199



120, 163, 149



82, 73, 80



145, 0, 118



18, 0, 15

Previews

White Background



This preview shows how the RYB color 128, 120, 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 128, 120, 163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

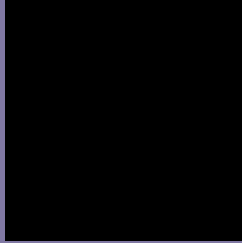
Any Text WCAG AA ✓ Pass

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 128, 120, 163 Background



This preview shows how black text looks on a background with the RYB color 128, 120, 163.



This preview shows how white text looks on a background with the RYB color 128, 120, 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
[128, 120, 163](#)

Protanopia
[114, 122, 166](#)

Deuteranopia
[118, 122, 162](#)



Tritanopia
123, 125, 135

Trichromacy



Original Color

128, 120, 163

Protanomaly

119, 123, 165

Deuteranomaly

122, 122, 162

Tritanomaly

125, 123, 145

Monochromacy



Original Color

128, 120, 163

Achromatopsia

127, 127, 127

Achromatomaly

127, 124, 140

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 120, 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(128, 120, 163)` looks like.

```
.text, #text, p{  
    color:rgb(128, 120, 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(128, 120, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 120, 163) }
```

Border

The CSS property to change the border of an element to RYB 128, 120, 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(128, 120, 163) }
```

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

```
.border{ border-color:rgb(128, 120, 163) }
```

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, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 120, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 120, 163);  
box-shadow:4px 4px 4px 4px rgb(128, 120,  
163) }
```

Background

The CSS property to change the background color of an element to RYB 128, 120, 163 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, 163) }
```

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

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