

# Converting Colors

`RYB(128, 120, 136)`

Have a look what the booklet for  
RYB(128, 120, 136) contains.

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# Color

**R<sub>Y</sub>B(128, 120, 136)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	807888
RGB	128, 120, 136
RGB Percent	50%, 47%, 53%
CMY	0.4980, 0.5294, 0.4667
CMYK	0.06, 0.12, 0.00, 0.47
HSL	270°, 6%, 50%
HSV	270°, 12%, 53%
XYZ	20.0625, 19.7997, 26.0569
YIQ	124.2160, -0.3680, 6.6720

# Conversions

## Conversions Part 2

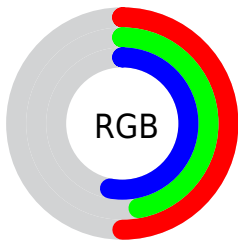
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 120, 136
Decimal	8419464
CIELab	51.61, 6.28, -7.60
CIElCh	52, 9.861, 309.573
Yxy	19.7997, 0.3044, 0.3004
Android (android.graphics.Color)	4286609544 (0xFF807888)
YUV	124.2160, 5.8095, 3.3186
Hunter-Lab	44.4969, 2.6115, -3.5718

# Details

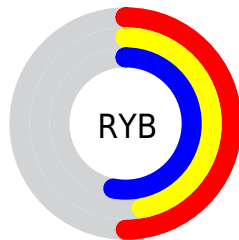
The RYB color **128, 120, 136** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **120, 136, 128**, and the grayscale version is **124, 124, 124**.

A 20% lighter version of the original color is **181, 172, 189**, and **79, 72, 86** is the 20% darker color. If you saturate the color by 10%, you get **121, 106, 136**, and if you desaturate by 10%, it is **135, 134, 136**.

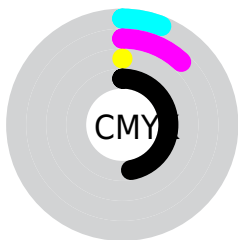
# Distribution



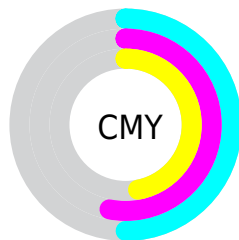
- Red (50%)
- Green (47%)
- Blue (53%)



- Red (50%)
- Yellow (47%)
- Blue (53%)



- Cyan (6%)
- Magenta (12%)
- Yellow (0%)
- Black (47%)



- Cyan (50%)
- Magenta (53%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 128, 120, 136 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, 136 by changing the saturation by 10% instead.



■ 128, 120, 136

255, 255, 255

■ 181, 172, 189

■ 208, 200, 217

■ 237, 228, 246

■ 128, 120, 136

■ 103, 95, 111

■ 79, 72, 86

■ 56, 49, 63

■ 34, 28, 41

■ 13, 2, 21

■ 0, 0, 0

■ 128, 120, 136

■ 121, 106, 136

■ 114, 93, 136

■ 128, 120, 136

■ 135, 134, 136

■ 136, 147, 141

108, 79, 136

136, 161, 149

101, 66, 136

136, 174, 155

94, 52, 136

136, 188, 162

87, 38, 136

136, 202, 169

80, 25, 136

136, 215, 175

74, 11, 136

136, 229, 183

68, 0, 136

136, 242, 189

# Harmonies

## Analogous

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



117, 122, 139



128, 120, 136



136, 118, 129

# Triad

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



128, 120, 136



135, 135, 107



103, 116, 128

# Complementary

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



128, 120, 136



120, 136, 128

# Split Complementary

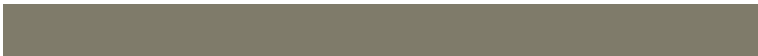
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



108, 122, 128



128, 120, 136



111, 127, 106

# Square

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



128, 120, 136



140, 119, 113



110, 126, 119



102, 116, 133

# Rectangle

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



128, 120, 136



140, 117, 123



110, 126, 119



104, 117, 128



# Sweetspot

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



128, 120, 136



172, 169, 176



120, 125, 136



87, 85, 89



217, 217, 217



89, 89, 89



# Same Dimension

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



128, 120, 136



164, 151, 176



136, 120, 136



65, 62, 69



66, 0, 133



3, 0, 5



# Inverse Universe

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



136, 120, 128



176, 151, 164



120, 136, 136



69, 62, 65



133, 0, 66



5, 0, 3



# Previews

## White Background



This preview shows how the RYB color 128, 120, 136 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, 136 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](#).



## RYP 128, 120, 136 Background



This preview shows how black text looks on a background with the RYP color 128, 120, 136.



This preview shows how white text looks on a background with the RYP color 128, 120, 136.

# 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, 136](#)

**Protanopia**  
[121, 122, 137](#)

**Deuteranopia**  
[129, 120, 136](#)



**Tritanopia**  
127, 121, 130

# Trichromacy



## Original Color

128, 120, 136

## Protanomaly

124, 121, 137

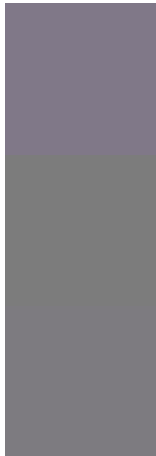
## Deuteranomaly

129, 120, 136

## Tritanomaly

127, 121, 132

# Monochromacy



## Original Color

128, 120, 136

## Achromatopsia

124, 124, 124

## Achromatomaly

125, 123, 128

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 128, 120, 136 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, 136) looks like.

```
.text, #text, p{  
    color:rgb(128, 120, 136)  
}
```

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, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 120, 136) }
```

## Border

The CSS property to change the border of an element to RYB 128, 120, 136 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, 136) }
```

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

```
.border{ border-color:rgb(128, 120, 136) }
```

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, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 120, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 120, 136);  
box-shadow:4px 4px 4px 4px rgb(128, 120,  
136) }
```

# Background

The CSS property to change the background color of an element to RYB 128, 120, 136 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, 136) }
```

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

```
.background{ background-color: rgb(128,  
120, 136) }
```

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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