

# Converting Colors

`RYB(129, 124, 160)`

Have a look what the booklet for  
RYB(129, 124, 160) contains.

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# Color

**R<sub>Y</sub>B(129, 124, 160)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	817CA0
RGB	129, 124, 160
RGB Percent	51%, 49%, 63%
CMY	0.4941, 0.5137, 0.3725
CMYK	0.19, 0.22, 0.00, 0.37
HSL	248°, 16%, 56%
HSV	248°, 22%, 63%
XYZ	22.6061, 21.6205, 36.2394
YIQ	129.5990, -8.5760, 12.2560

# Conversions

## Conversions Part 2

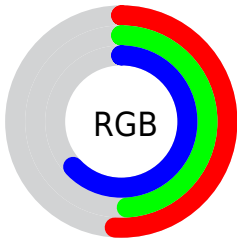
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	129, 124, 160
Decimal	8486048
CIE <sub>Lab</sub>	53.62, 9.69, -18.56
CIE <sub>LCh</sub>	54, 20.943, 297.573
Yxy	21.6205, 0.2809, 0.2687
Android (android.graphics.Color)	4286676128 (0xFF817CA0)
YUV	129.5990, 14.9877, -0.5253
Hunter-Lab	46.4978, 5.4110, -13.6608

# Details

The RYB color **129, 124, 160** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **124, 160, 129**, and the grayscale version is **129, 129, 129**.

A 20% lighter version of the original color is **182, 176, 215**, and **79, 75, 108** is the 20% darker color. If you saturate the color by 10%, you get **115, 108, 160**, and if you desaturate by 10%, it is **143, 140, 160**.

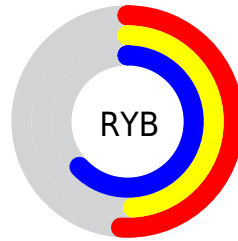
# Distribution



Red (51%)

Green (49%)

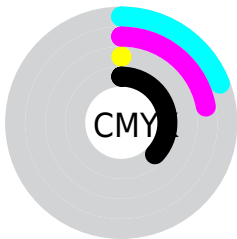
Blue (63%)



Red (51%)

Yellow (49%)

Blue (63%)

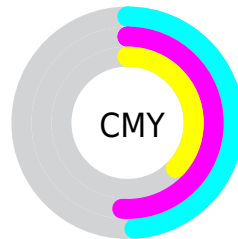


Cyan (19%)

Magenta (22%)

Yellow (0%)

Black (37%)



Cyan (49%)

Magenta (51%)

Yellow (37%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 129, 124, 160 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 129, 124, 160 by changing the saturation by 10% instead.



 129, 124, 160

255, 255, 255

 182, 176, 215


 210, 204, 243

 238, 232, 255

 129, 124, 160

 104, 99, 134

 79, 75, 108

 56, 53, 84

 33, 31, 61

 13, 8, 39

 0, 1, 17

 0, 0, 0

 129, 124, 160

 115, 108, 160

 129, 124, 160

 143, 140, 160

101, 92, 160

157, 156, 160

88, 76, 160

160, 172, 162

74, 60, 160

160, 188, 164

60, 44, 160

160, 204, 166

46, 28, 160

160, 220, 168

33, 12, 160

160, 236, 171

22, 0, 160

160, 252, 173

160, 255, 162

# Harmonies

## Analogous

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



104, 122, 164



129, 124, 160



150, 118, 148

# Triad

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



129, 124, 160



157, 133, 98



84, 114, 138

# Complementary

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



129, 124, 160



124, 160, 129

# 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.



103, 132, 136



129, 124, 160



118, 143, 92

# Square

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



129, 124, 160



165, 116, 112



96, 132, 104



74, 107, 144

# Rectangle

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



129, 124, 160



159, 116, 136



96, 132, 104



90, 120, 138



# Sweetspot

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



129, 124, 160



196, 194, 209



124, 141, 160



97, 96, 105



232, 232, 232



105, 105, 105



# Same Dimension

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



129, 124, 160



160, 153, 209



147, 124, 160



72, 71, 79



20, 0, 143



2, 0, 15



# Inverse Universe

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



160, 124, 155



209, 153, 201



124, 160, 147



79, 71, 78



143, 0, 123



15, 0, 13



# Previews

## White Background



This preview shows how the RYB color 129, 124, 160 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 129, 124, 160 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

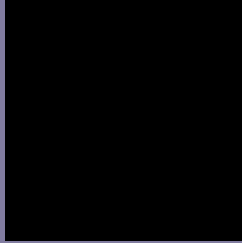
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RYB 129, 124, 160 Background



This preview shows how black text looks on a background with the RYB color 129, 124, 160.



This preview shows how white text looks on a background with the RYB color 129, 124, 160.

# 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

129, 124, 160

### Protanopia

119, 126, 162

### Deuteranopia

124, 126, 160



**Tritanopia**  
125, 127, 138

# Trichromacy



**Original Color**

129, 124, 160

**Protanomaly**

123, 126, 161

**Deuteranomaly**

126, 125, 160

**Tritanomaly**

126, 127, 146

# Monochromacy



**Original Color**

129, 124, 160

**Achromatopsia**

130, 130, 130

**Achromatomaly**

130, 128, 141

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 129, 124, 160 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(129, 124, 160)` looks like.

```
.text, #text, p{  
    color:rgb(129, 124, 160)  
}
```

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(129, 124, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 124, 160) }
```

## Border

The CSS property to change the border of an element to RYB 129, 124, 160 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(129, 124, 160) }
```

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

```
.border{ border-color:rgb(129, 124, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 124, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 124, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 124, 160);  
box-shadow:4px 4px 4px 4px rgb(129, 124,  
160) }
```

# Background

The CSS property to change the background color of an element to RYB 129, 124, 160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 124, 160) }
```

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

```
.background{ background-color: rgb(129,  
124, 160) }
```

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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