

# Converting Colors

`RYB(196, 116, 129)`

Have a look what the booklet for  
RYB(196, 116, 129) contains.

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# Color

**`RYB(196, 116, 129)`**

# Conversions

## Conversions Part 1

Format	Color
Hex	C47481
RGB	196, 116, 129
RGB Percent	77%, 45%, 51%
CMY	0.2314, 0.5451, 0.4941
CMYK	0.00, 0.41, 0.34, 0.23
HSL	350°, 40%, 61%
HSV	350°, 41%, 77%
XYZ	32.9728, 25.8115, 24.0131
YIQ	141.4020, 43.5070, 21.0030

# Conversions

## Conversions Part 2

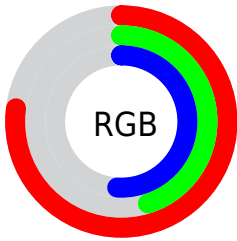
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 116, 129
Decimal	12874881
CIE <sub>Lab</sub>	57.86, 32.97, 6.51
CIE <sub>LCh</sub>	58, 33.609, 11.162
Yxy	25.8115, 0.3982, 0.3117
Android (android.graphics.Color)	4291064961 (0xFFC47481)
YUV	141.4020, -6.1142, 47.8824
Hunter-Lab	50.8050, 26.9388, 7.5399

# Details

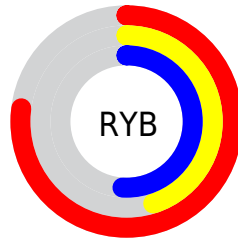
The RYB color **196, 116, 129** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **116, 160, 196**, and the grayscale version is **141, 141, 141**.

A 20% lighter version of the original color is **254, 169, 182**, and **140, 66, 80** is the 20% darker color. If you saturate the color by 10%, you get **196, 96, 113**, and if you desaturate by 10%, it is **196, 136, 145**.

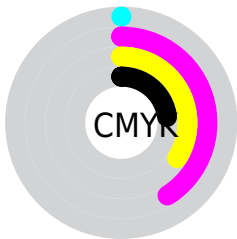
# Distribution



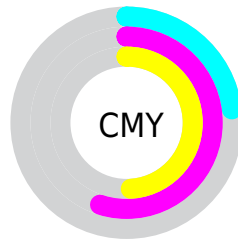
- Red (77%)
- Green (45%)
- Blue (51%)



- Red (77%)
- Yellow (45%)
- Blue (51%)



- Cyan (0%)
- Magenta (41%)
- Yellow (34%)
- Black (23%)



- Cyan (23%)
- Magenta (55%)
- Yellow (49%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 196, 116, 129 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 196, 116, 129 by changing the saturation by 10% instead.



 196, 116, 129

255, 255, 255

 254, 169, 182

 255, 197, 209

 255, 225, 238

255, 254, 255

 196, 116, 129

 196, 96, 113

 196, 116, 129

 168, 91, 104

 140, 66, 80


 113, 41, 57


 86, 16, 36

 60, 0, 14

 37, 0, 1

 0, 0, 0


 196, 116, 129

 196, 136, 145

 196, 77, 96

 196, 155, 162

 196, 57, 80

 196, 175, 178

 196, 38, 63

 196, 194, 195

 196, 18, 47

 196, 206, 214

 196, 0, 32

 196, 217, 234

 196, 227, 253

 196, 226, 255

# Harmonies

## Analogous

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



184, 118, 159



196, 116, 129



192, 126, 102

# Triad

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



196, 116, 129



94, 149, 128



61, 113, 194

# Complementary

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



196, 116, 129



116, 160, 196

# 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.



0, 82, 177



196, 116, 129



78, 126, 153

# Square

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



196, 116, 129



87, 147, 80



30, 94, 155



114, 133, 196

# Rectangle

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



196, 116, 129



181, 155, 88



30, 94, 155



40, 103, 190



# Sweetspot

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



196, 116, 129



255, 224, 229



183, 116, 196



128, 110, 113



0, 0, 0



128, 128, 128



# Same Dimension

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



196, 116, 129



255, 130, 150



196, 157, 116



97, 87, 89



161, 0, 26



33, 0, 5



# Inverse Universe

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



196, 116, 129



255, 130, 150



116, 148, 196



97, 87, 89



161, 0, 26

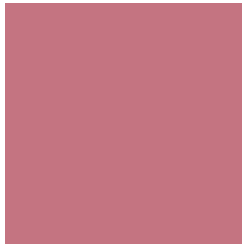


33, 0, 5



# Previews

## White Background



This preview shows how the RYB color 196, 116, 129 looks on a white background.

## Color Contrast Check

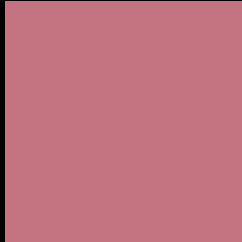
Large Text (above 18pt) WCAG AA ✓ Pass

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 196, 116, 129 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 196, 116, 129 Background**



This preview shows how black text looks on a background with the RYB color 196, 116, 129.



This preview shows how white text looks on a background with the RYB color 196, 116, 129.

# 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





**Tritanopia**  
196, 117, 125

# Trichromacy



**Original Color**  
196, 116, 129

**Protanomaly**  
161, 131, 137

**Deuteranomaly**  
172, 127, 127

**Tritanomaly**  
196, 117, 126

# Monochromacy



**Original Color**  
196, 116, 129

**Achromatopsia**  
141, 141, 141

**Achromatomaly**  
161, 132, 137

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 196, 116, 129 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(196, 116, 129) looks like.

```
.text, #text, p{  
    color:rgb(196, 116, 129)  
}
```

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(196, 116, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 116, 129) }
```

## Border

The CSS property to change the border of an element to RYB 196, 116, 129 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(196, 116, 129) }
```

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

```
.border{ border-color:rgb(196, 116, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 116, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 116, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 116, 129);  
box-shadow:4px 4px 4px 4px rgb(196, 116,  
129) }
```

# Background

The CSS property to change the background color of an element to RYB 196, 116, 129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 116, 129) }
```

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

```
.background{ background-color: rgb(196,  
116, 129) }
```

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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