

Converting Colors

`RYB(127, 117, 204)`

Have a look what the booklet for
RYB(127, 117, 204) contains.

RYB(127, 117, 204)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(127, 117, 204)

Conversions

Conversions Part 1

Format	Color
Hex	7F75CC
RGB	127, 117, 204
RGB Percent	50%, 46%, 80%
CMY	0.5020, 0.5412, 0.2000
CMYK	0.38, 0.43, 0.00, 0.20
HSL	247°, 46%, 63%
HSV	247°, 43%, 80%
XYZ	26.0128, 21.5942, 59.9238
YIQ	129.9080, -21.9670, 29.1770

Conversions

Conversions Part 2

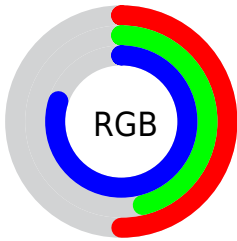
Format	Color
R_{YB}	127, 117, 204
Decimal	8353228
CIE _{Lab}	53.59, 24.65, -43.91
CIE _{LCh}	54, 50.358, 299.314
Yxy	21.5942, 0.2419, 0.2008
Android (android.graphics.Color)	4286543308 (0xFF7F75CC)
YUV	129.9080, 36.5274, -2.5503
Hunter-Lab	46.4696, 18.5990, -43.9274

Details

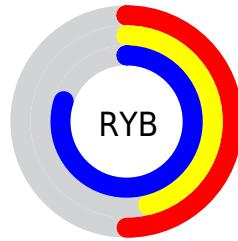
The RYB color **127, 117, 204** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **117, 204, 127**, and the grayscale version is **130, 130, 130**.

A 20% lighter version of the original color is **182, 169, 255**, and **73, 69, 149** is the 20% darker color. If you saturate the color by 10%, you get **109, 97, 204**, and if you desaturate by 10%, it is **145, 137, 204**.

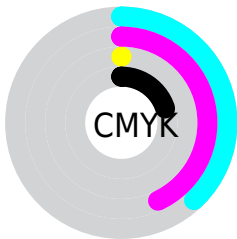
Distribution



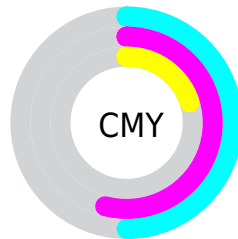
- Red (50%)
- Green (46%)
- Blue (80%)



- Red (50%)
- Yellow (46%)
- Blue (80%)



- Cyan (38%)
- Magenta (43%)
- Yellow (0%)
- Black (20%)



- Cyan (50%)
- Magenta (54%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 127, 117, 204 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 127, 117, 204 by changing the saturation by 10% instead.

■ 127, 117, 204

255, 255, 255

■ 182, 169, 255

■ 211, 196, 255

■ 240, 224, 255

■ 255, 253, 255

■ 127, 117, 204

■ 100, 92, 176

■ 73, 69, 149

■ 45, 46, 123

■ 11, 23, 98

■ 0, 2, 73

■ 0, 4, 50

■ 0, 2, 28

■ 0, 0, 0


■ 127, 117, 204

■ 127, 117, 204


 109, 97, 204

 145, 137, 204


 91, 76, 204


 163, 158, 204

 73, 56, 204


 181, 178, 204

 55, 35, 204

 199, 199, 204

 37, 15, 204

 204, 219, 206

 23, 0, 204

 204, 239, 208

 204, 255, 206

 204, 255, 204

Harmonies

Analogous

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



0, 82, 215



127, 117, 204



180, 99, 173

Triad

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



127, 117, 204



186, 150, 53



0, 81, 149

Complementary

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



127, 117, 204



117, 204, 127

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.



46, 119, 145



127, 117, 204



67, 152, 34

Square

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



127, 117, 204



205, 93, 88



47, 138, 76



0, 79, 169

Rectangle

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



127, 117, 204



199, 90, 145



47, 138, 76



0, 85, 148

Sweetspot

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



127, 117, 204



226, 222, 255



117, 158, 204



109, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



127, 117, 204



140, 125, 255



169, 117, 204



93, 92, 102



19, 0, 166



4, 0, 38

Inverse Universe

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



204, 117, 194



255, 125, 240



117, 204, 169



102, 92, 101



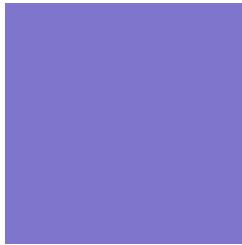
166, 0, 147



38, 0, 34

Previews

White Background



This preview shows how the RYB color 127, 117, 204 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 127, 117, 204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

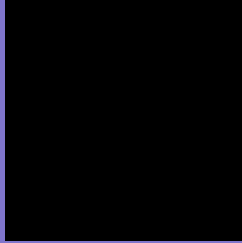
Any Text WCAG AA ✓ Pass

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 127, 117, 204 Background



This preview shows how black text looks on a background with the RYB color 127, 117, 204.

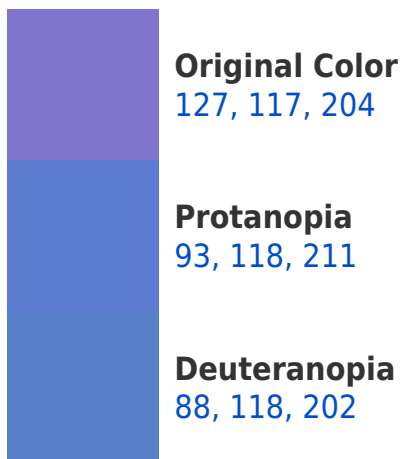


This preview shows how white text looks on a background with the RYB color 127, 117, 204.

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
113, 124, 141

Trichromacy



Original Color
127, 117, 204

Protanomaly
105, 120, 208

Deuteranomaly
102, 120, 203

Tritanomaly
118, 125, 164

Monochromacy



Original Color
127, 117, 204

Achromatopsia
130, 130, 130

Achromatomaly
129, 125, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 127, 117, 204 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(127, 117, 204)` looks like.

```
.text, #text, p{  
    color:rgb(127, 117, 204)  
}
```

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(127, 117, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 117, 204) }
```

Border

The CSS property to change the border of an element to RYB 127, 117, 204 is called "border". The border property can be set on classes, ids or directly on the HTML element.

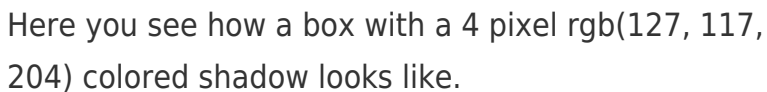
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 117, 204) }
```

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

```
.border{ border-color:rgb(127, 117, 204) }
```

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



Here you see how a box with a 4 pixel `rgb(127, 117, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 117, 204); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 117, 204); box-shadow:4px 4px 4px 4px rgb(127, 117, 204) }
```

Background

The CSS property to change the background color of an element to RYB 127, 117, 204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 117, 204) }
```

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

```
.background{ background-color: rgb(127,  
117, 204) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor