

Converting Colors

RGB(117, 100, 242)

Have a look what the booklet for
RGB(117, 100, 242) contains.

RGB(117, 100, 242)	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

RGB(117, 100, 242)

Conversions

Conversions Part 1

Format	Color
Hex	7564F2
RGB	117, 100, 242
RGB Percent	46%, 39%, 95%
CMY	0.5412, 0.6078, 0.0510
CMYK	0.52, 0.59, 0.00, 0.05
HSL	247°, 85%, 67%
HSV	247°, 59%, 95%
XYZ	27.9203, 19.3071, 86.2595
YIQ	121.2710, -35.4500, 47.7660

Conversions

Conversions Part 2

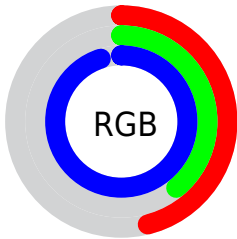
Format	Color
R _Y B	117, 100, 242
Decimal	7693554
CIE Lab	51.04, 43.39, -69.47
CIE LCh	51, 81.904, 301.991
Yxy	19.3071, 0.2092, 0.1446
Android (android.graphics.Color)	4285883634 (0xFF7564F2)
YUV	121.2710, 59.5194, -3.7457
Hunter-Lab	43.9398, 36.5281, -85.6360

Details

The RGB color **117, 100, 242** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **225, 242, 100**, and the grayscale version is **121, 121, 121**.

A 20% lighter version of the original color is **177, 152, 255**, and **51, 52, 185** is the 20% darker color. If you saturate the color by 10%, you get **96, 76, 242**, and if you desaturate by 10%, it is **138, 124, 242**.

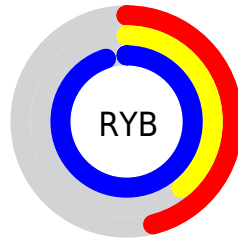
Distribution



Red (46%)

Green (39%)

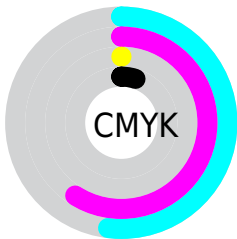
Blue (95%)



Red (46%)

Yellow (39%)

Blue (95%)

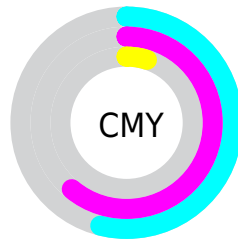


Cyan (52%)

Magenta (59%)

Yellow (0%)

Black (5%)



Cyan (54%)


Magenta (61%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RGB color 117, 100, 242 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 RGB color 117, 100, 242 by changing the saturation by 10% instead.


 117, 100, 242


 117, 100, 242

255, 255, 255

 86, 76, 213


 177, 152, 255

 51, 52, 185


 207, 179, 255

 0, 30, 157

 237, 206, 255

 0, 8, 130

 255, 235, 255

 0, 0, 104

 0, 6, 79

 0, 5, 55

 0, 2, 33

 0, 0, 6

■ 117, 100, 242

■ 117, 100, 242

■ 96, 76, 242

■ 138, 124, 242

■ 74, 52, 242

■ 160, 148, 242

■ 53, 27, 242

■ 181, 173, 242

■ 32, 3, 242

■ 202, 197, 242

■ 29, 0, 242

■ 224, 221, 242

■ 245, 245, 242

■ 255, 255, 242

Harmonies

Analogous

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



0, 130, 255



117, 100, 242



206, 53, 189

Triad

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



117, 100, 242



198, 91, 0



0, 150, 125

Complementary

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



117, 100, 242



225, 242, 100

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, 147, 49



117, 100, 242



144, 121, 0

Square

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



117, 100, 242



233, 44, 52



70, 138, 0



0, 150, 195

Rectangle

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



117, 100, 242



233, 1, 144



70, 138, 0



0, 149, 100

Sweetspot

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



117, 100, 242



215, 209, 255



100, 225, 242



103, 99, 128



0, 0, 0



128, 128, 128

Same Dimension

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



117, 100, 242



98, 77, 255



188, 100, 242



109, 108, 120



22, 0, 184



7, 0, 56

Inverse Universe

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



242, 100, 225



255, 77, 234



154, 242, 100



120, 108, 118



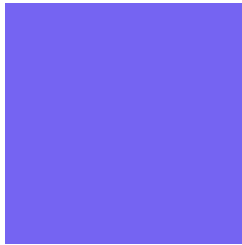
184, 0, 162



56, 0, 49

Previews

White Background



This preview shows how the RGB color 117, 100, 242 looks on a white background.

Color Contrast Check

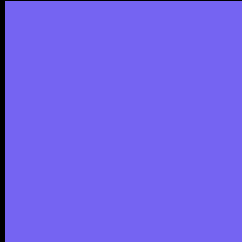
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RGB color 117, 100, 242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

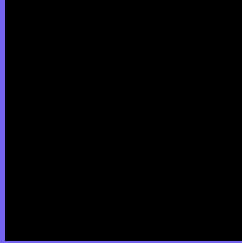
Any Text WCAG AA ✓ Pass

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](#).

RGB 117, 100, 242 Background



This preview shows how black text looks on a background with the RGB color 117, 100, 242.

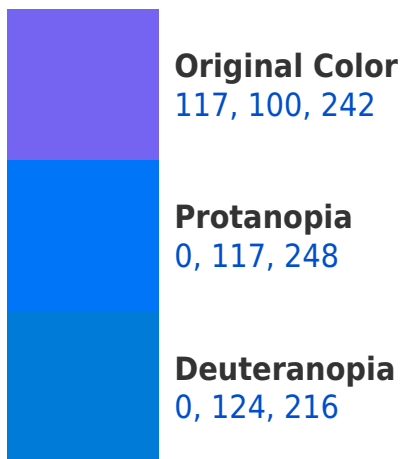


This preview shows how white text looks on a background with the RGB color 117, 100, 242.

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

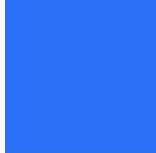
84, 128, 139

Trichromacy



Original Color

117, 100, 242



Protanomaly

43, 111, 246



Deuteranomaly

43, 115, 225



Tritanomaly

96, 118, 176

Monochromacy



Original Color

117, 100, 242



Achromatopsia

121, 121, 121



Achromatomaly

120, 113, 165

CSS Examples

Text

The CSS property to change the color of the text to RGB 117, 100, 242 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(117, 100, 242)` looks like.

```
.text, #text, p{  
    color:rgb(117, 100, 242)  
}
```

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(117, 100, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 100, 242) }
```

Border

The CSS property to change the border of an element to RGB 117, 100, 242 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(117, 100, 242) }
```

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

```
.border{ border-color:rgb(117, 100, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 100, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 100, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 100, 242); box-shadow:4px 4px 4px 4px rgb(117, 100, 242) }
```

Background

The CSS property to change the background color of an element to RGB 117, 100, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 100, 242) }
```

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

```
.background{ background-color: rgb(117,  
100, 242) }
```

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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