

Converting Colors

RGB(116, 111, 227)

Have a look what the booklet for
RGB(116, 111, 227) contains.

RGB(116, 111, 227)	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(116, 111, 227)

Conversions

Conversions Part 1

Format	Color
Hex	746FE3
RGB	116, 111, 227
RGB Percent	45%, 44%, 89%
CMY	0.5451, 0.5647, 0.1098
CMYK	0.49, 0.51, 0.00, 0.11
HSL	243°, 67%, 66%
HSV	243°, 51%, 89%
XYZ	26.7520, 20.6279, 75.2446
YIQ	125.7190, -34.2560, 37.1360

Conversions

Conversions Part 2

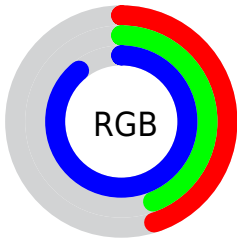
Format	Color
R_{YB}	116, 111, 227
Decimal	7630819
CIE _{Lab}	52.54, 32.24, -58.65
CIE _{LCh}	53, 66.929, 298.801
Yxy	20.6279, 0.2182, 0.1682
Android (android.graphics.Color)	4285820899 (0xFF746FE3)
YUV	125.7190, 49.9315, -8.5236
Hunter-Lab	45.4180, 25.6583, -66.4340

Details

The RGB color **116, 111, 227** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **222, 227, 111**, and the grayscale version is **125, 125, 125**.

A 20% lighter version of the original color is **174, 163, 255**, and **55, 63, 171** is the 20% darker color. If you saturate the color by 10%, you get **94, 88, 227**, and if you desaturate by 10%, it is **138, 134, 227**.

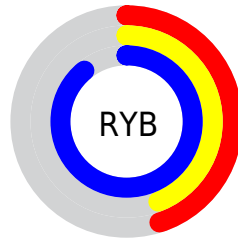
Distribution



Red (45%)

Green (44%)

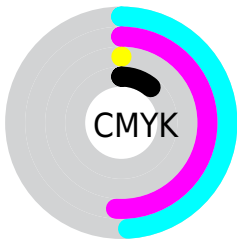
Blue (89%)



Red (45%)

Yellow (44%)

Blue (89%)

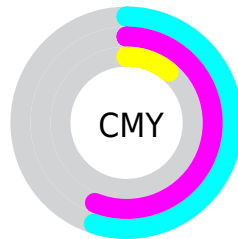


Cyan (49%)

Magenta (51%)

Yellow (0%)

Black (11%)



Cyan (55%)

Magenta (56%)

Yellow (11%)


Brightness & Saturation Gradients

These gradients show how the RGB color 116, 111, 227 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 116, 111, 227 by changing the saturation by 10% instead.

 116, 111, 227

255, 255, 255

 174, 163, 255

 203, 190, 255

 233, 218, 255

 255, 246, 255

 116, 111, 227

 87, 87, 199

 55, 63, 171

 10, 41, 144

 0, 21, 117

 0, 0, 92

 0, 7, 67

 0, 3, 44

 0, 1, 23

 0, 0, 0

■ 116, 111, 227

■ 116, 111, 227

■ 94, 88, 227

■ 138, 134, 227

■ 73, 66, 227

■ 159, 156, 227

■ 51, 43, 227

■ 181, 179, 227

■ 29, 20, 227

■ 203, 202, 227

■ 10, 0, 227

■ 225, 225, 227

■ 246, 247, 227

■ 255, 255, 227

Harmonies

Analogous

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



0, 133, 241



116, 111, 227



191, 82, 186

Triad

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



116, 111, 227



196, 98, 17



0, 151, 121

Complementary

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



116, 111, 227



222, 227, 111

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, 61



116, 111, 227



153, 122, 0

Square

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



116, 111, 227



222, 71, 74



96, 138, 0



0, 151, 179

Rectangle

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



116, 111, 227



216, 65, 149



96, 138, 0



0, 150, 101

Sweetspot

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



116, 111, 227



218, 217, 255



111, 223, 227



106, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



116, 111, 227



106, 99, 255



173, 111, 227



104, 103, 115



8, 0, 179



2, 0, 51

Inverse Universe

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



227, 111, 222



255, 99, 248



165, 227, 111



115, 103, 114



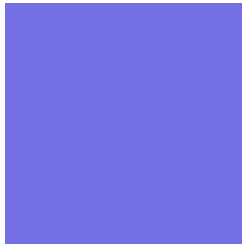
179, 0, 171



51, 0, 49

Previews

White Background



This preview shows how the RGB color 116, 111, 227 looks on a white background.

Color Contrast Check

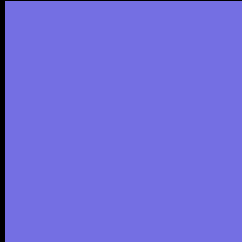
Large Text (above 18pt) WCAG AA ✓ Pass

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 116, 111, 227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

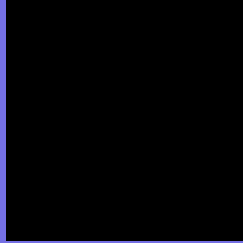
Any Text WCAG AA ✓ Pass

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 116, 111, 227 Background



This preview shows how black text looks on a background with the RGB color 116, 111, 227.

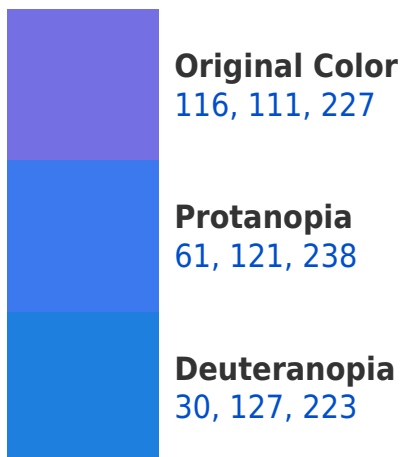


This preview shows how white text looks on a background with the RGB color 116, 111, 227.

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
91, 132, 142

Trichromacy



Original Color
116, 111, 227

Protanomaly
81, 117, 234

Deuteranomaly
61, 121, 224

Tritanomaly
100, 124, 173

Monochromacy



Original Color
116, 111, 227

Achromatopsia
126, 126, 126

Achromatomaly
122, 121, 163

CSS Examples

Text

The CSS property to change the color of the text to RGB 116, 111, 227 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(116, 111, 227)` looks like.

```
.text, #text, p{  
    color:rgb(116, 111, 227)  
}
```

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(116, 111, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 111, 227) }
```

Border

The CSS property to change the border of an element to RGB 116, 111, 227 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(116, 111, 227) }
```

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

```
.border{ border-color:rgb(116, 111, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 111, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 111, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 111, 227);  
box-shadow:4px 4px 4px 4px rgb(116, 111,  
227) }
```

Background

The CSS property to change the background color of an element to RGB 116, 111, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 111, 227) }
```

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

```
.background{ background-color: rgb(116,  
111, 227) }
```

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