

Converting Colors

RGB(112, 33, 230)

Have a look what the booklet for
RGB(112, 33, 230) contains.

RGB(112, 33, 230)	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(112, 33, 230)

Conversions

Conversions Part 1

Format	Color
Hex	7021E6
RGB	112, 33, 230
RGB Percent	44%, 13%, 90%
CMY	0.5608, 0.8706, 0.0980
CMYK	0.51, 0.86, 0.00, 0.10
HSL	264°, 80%, 52%
HSV	264°, 86%, 90%
XYZ	21.5089, 10.2456, 75.7069
YIQ	79.0790, -16.1530, 78.0150

Conversions

Conversions Part 2

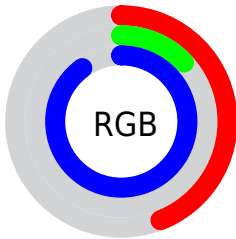
Format	Color
R_{YB}	112, 33, 230
Decimal	7348710
CIE _{Lab}	38.28, 70.73, -83.60
CIE _{LCh}	38, 109.504, 310.234
Yxy	10.2456, 0.2002, 0.0953
Android (android.graphics.Color)	4285538790 (0xFF7021E6)
YUV	79.0790, 74.4041, 28.8717
Hunter-Lab	32.0088, 63.9308, -117.8259

Details

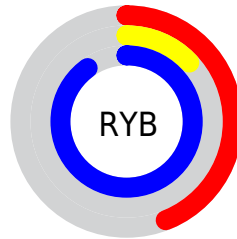
The RGB color **112, 33, 230** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **151, 230, 33**, and the grayscale version is **78, 78, 78**.

A 20% lighter version of the original color is **174, 92, 255**, and **39, 0, 173** is the 20% darker color. If you saturate the color by 10%, you get **98, 10, 230**, and if you desaturate by 10%, it is **126, 56, 230**.

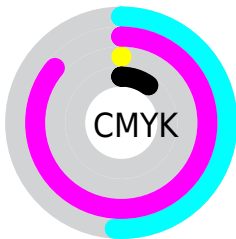
Distribution



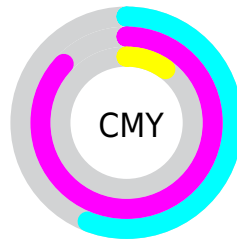
- Red (44%)
- Green (13%)
- Blue (90%)



- Red (44%)
- Yellow (13%)
- Blue (90%)



- Cyan (51%)
- Magenta (86%)
- Yellow (0%)
- Black (10%)





















- Cyan (56%)
- Magenta (87%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RGB color 112, 33, 230 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 112, 33, 230 by changing the saturation by 10% instead.

 112, 33, 230	 112, 33, 230
 255, 255, 255	 79, 0, 201
 174, 92, 255	 39, 0, 173
 205, 119, 255	 0, 0, 145
 236, 147, 255	 0, 0, 119
 255, 175, 255	 0, 0, 93
 255, 204, 255	 0, 7, 68
 255, 233, 255	 0, 3, 45
	 0, 1, 23
	 0, 0, 0

■ 112, 33, 230

■ 112, 33, 230

■ 98, 10, 230

■ 126, 56, 230

■ 92, 0, 230

■ 140, 79, 230

■ 153, 102, 230

■ 167, 125, 230

■ 181, 148, 230

■ 195, 171, 230

■ 208, 194, 230

■ 222, 217, 230

■ 236, 240, 230

Harmonies

Analogous

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



0, 97, 255



112, 33, 230



209, 0, 152

Triad

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



112, 33, 230



156, 60, 0



0, 119, 120

Complementary

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



112, 33, 230



151, 230, 33

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, 117, 18



112, 33, 230



83, 97, 0

Square

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



112, 33, 230



208, 0, 0



0, 111, 0



0, 121, 206

Rectangle

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



112, 33, 230



229, 0, 94



0, 111, 0



0, 118, 89

Sweetspot

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



112, 33, 230



215, 189, 255



33, 151, 230



104, 88, 128



0, 0, 0



128, 128, 128

Same Dimension

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



112, 33, 230



102, 0, 255



210, 33, 230



108, 103, 115



72, 0, 179



20, 0, 51

Inverse Universe

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



230, 33, 151



255, 0, 153



53, 230, 33



115, 103, 110



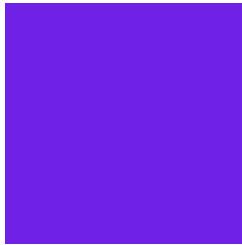
179, 0, 107



51, 0, 31

Previews

White Background



This preview shows how the RGB color 112, 33, 230 looks on a white background.

Color Contrast Check

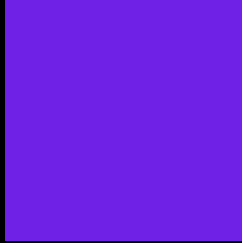
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 112, 33, 230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

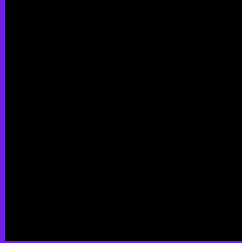
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RGB 112, 33, 230 Background



This preview shows how black text looks on a background with the RGB color 112, 33, 230.



This preview shows how white text looks on a background with the RGB color 112, 33, 230.

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](#).

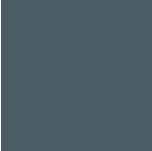
Dichromacy



Original Color
112, 33, 230

Protanopia
0, 87, 183

Deuteranopia
0, 93, 157



Tritanopia

74, 93, 101

Trichromacy



Original Color

112, 33, 230



Protanomaly

41, 67, 200



Deuteranomaly

41, 71, 184



Tritanomaly

88, 71, 148

Monochromacy



Original Color

112, 33, 230



Achromatopsia

79, 79, 79



Achromatomaly

91, 62, 134

CSS Examples

Text

The CSS property to change the color of the text to RGB 112, 33, 230 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(112, 33, 230)` looks like.

```
.text, #text, p{  
    color:rgb(112, 33, 230)  
}
```

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(112, 33, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 33, 230) }
```

Border

The CSS property to change the border of an element to RGB 112, 33, 230 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(112, 33, 230) }
```

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

```
.border{ border-color:rgb(112, 33, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 33, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 33, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 33, 230);  
box-shadow:4px 4px 4px 4px rgb(112, 33,  
230) }
```

Background

The CSS property to change the background color of an element to RGB 112, 33, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 33, 230) }
```

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

```
.background{ background-color: rgb(112, 33,  
230) }
```

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