

Converting Colors

`RYB(112, 0, 181)`

Have a look what the booklet for
RYB(112, 0, 181) contains.

RYB(112, 0, 181)	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(112, 0, 181)

Conversions

Conversions Part 1

Format	Color
Hex	7000B5
RGB	112, 0, 181
RGB Percent	44%, 0%, 71%
CMY	0.5608, 1.0000, 0.2902
CMYK	0.38, 1.00, 0.00, 0.29
HSL	277°, 100%, 35%
HSV	277°, 100%, 71%
XYZ	15.0226, 6.7809, 44.2331
YIQ	54.1220, 8.6510, 80.0350

Conversions

Conversions Part 2

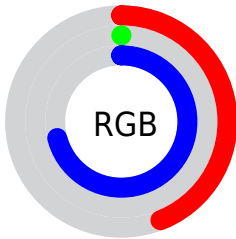
Format	Color
R_{YB}	112, 0, 181
Decimal	7340213
CIE _{Lab}	31.30, 66.45, -66.57
CIE _{LCh}	31, 94.054, 314.947
Yxy	6.7809, 0.2275, 0.1027
Android (android.graphics.Color)	4285530293 (0xFF7000B5)
YUV	54.1220, 62.5509, 50.7590
Hunter-Lab	26.0402, 57.4060, -82.4845

Details

The RYB color **112, 0, 181** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **0, 181, 112**, and the grayscale version is **54, 54, 54**.

A 20% lighter version of the original color is **170, 73, 238**, and **52, 0, 127** is the 20% darker color. If you saturate the color by 10%, you get **112, 0, 181**, and if you desaturate by 10%, it is **119, 18, 181**.

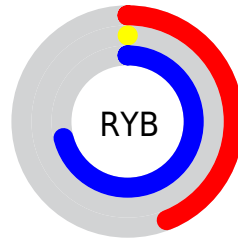
Distribution



Red (44%)

Green (0%)

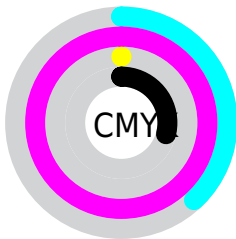
Blue (71%)



Red (44%)

Yellow (0%)

Blue (71%)

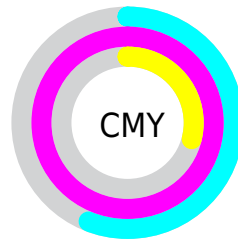


Cyan (38%)

Magenta (100%)

Yellow (0%)

Black (29%)



Cyan (56%)

Magenta (100%)


Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 112, 0, 181 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 112, 0, 181 by changing the saturation by 10% instead.

 112, 0, 181


 112, 0, 181

255, 255, 255

 83, 0, 153

 170, 73, 238

 52, 0, 127

 200, 101, 255

 18, 0, 101

 230, 129, 255

 0, 0, 76

 255, 157, 255

 0, 4, 52

 255, 185, 255

 0, 2, 30

 255, 214, 255

 0, 0, 0

 255, 243, 255

 112, 0, 181

■ 119, 18, 181

■ 126, 36, 181

■ 133, 54, 181

■ 140, 72, 181

■ 147, 91, 181

■ 153, 109, 181

■ 160, 127, 181

■ 167, 145, 181

■ 174, 163, 181

Harmonies

Analogous

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



0, 56, 222



112, 0, 181



178, 0, 114

Triad

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



112, 0, 181



120, 105, 0



0, 52, 110

Complementary

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



112, 0, 181



0, 181, 112

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, 73, 96



112, 0, 181



0, 82, 27

Square

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



112, 0, 181



166, 0, 0



0, 92, 92



0, 64, 180

Rectangle

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



112, 0, 181



191, 0, 66



0, 92, 92



0, 52, 98

Sweetspot

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



112, 0, 181



208, 164, 235



0, 50, 181



101, 75, 117



245, 245, 245



117, 117, 117

Same Dimension

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



112, 0, 181



145, 0, 235



181, 0, 160



86, 80, 89



95, 0, 153



16, 0, 26

Inverse Universe

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



181, 0, 69



235, 0, 89



0, 162, 181



89, 80, 84



153, 0, 58



26, 0, 10

Previews

White Background



This preview shows how the RYB color 112, 0, 181 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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

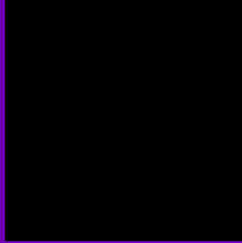
Any Text WCAG AA × Fail

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](#).

RYB 112, 0, 181 Background



This preview shows how black text looks on a background with the RYB color 112, 0, 181.

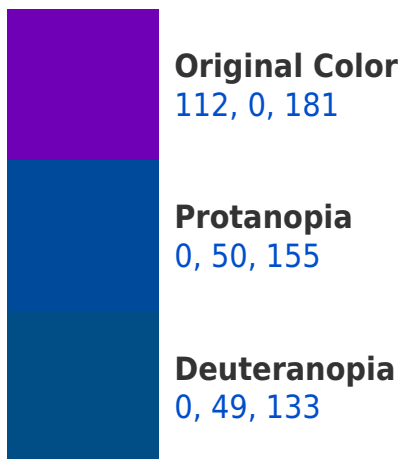


This preview shows how white text looks on a background with the RYB color 112, 0, 181.

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, 71, 76

Trichromacy



Original Color

112, 0, 181

Protanomaly

41, 47, 164

Deuteranomaly

41, 49, 150

Tritanomaly

99, 45, 114

Monochromacy



Original Color

112, 0, 181

Achromatopsia

54, 54, 54

Achromatomaly

75, 34, 100

CSS Examples

Text

The CSS property to change the color of the text to RYB 112, 0, 181 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, 0, 181)` looks like.

```
.text, #text, p{  
    color:rgb(112, 0, 181)  
}
```

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, 0, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 0, 181) }
```

Border

The CSS property to change the border of an element to RYB 112, 0, 181 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, 0, 181) }
```

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

```
.border{ border-color:rgb(112, 0, 181) }
```

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

Here you see how a box with a 4 pixel rgb(112, 0, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 0, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 0, 181);  
box-shadow:4px 4px 4px 4px rgb(112, 0,  
181) }
```

Background

The CSS property to change the background color of an element to RGB 112, 0, 181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 0, 181) }
```

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

```
.background{ background-color: rgb(112, 0,  
181) }
```

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](#)