

Converting Colors

`RYB(112, 99, 230)`

Have a look what the booklet for RYB(112, 99, 230) contains.

RYB(112, 99, 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

R_YB(112, 99, 230)

Conversions

Conversions Part 1

Format	Color
Hex	7063E6
RGB	112, 99, 230
RGB Percent	44%, 39%, 90%
CMY	0.5608, 0.6118, 0.0980
CMYK	0.51, 0.57, 0.00, 0.10
HSL	246°, 72%, 65%
HSV	246°, 57%, 90%
XYZ	25.4269, 18.0816, 77.0129
YIQ	117.8210, -34.3030, 43.4970

Conversions

Conversions Part 2

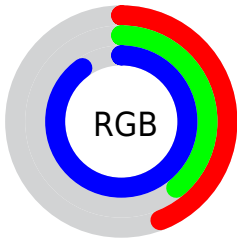
Format	Color
R_{YB}	112, 99, 230
Decimal	7365606
CIE _{Lab}	49.59, 39.44, -65.10
CIE _{LCh}	50, 76.114, 301.206
Yxy	18.0816, 0.2110, 0.1500
Android (android.graphics.Color)	4285555686 (0xFF7063E6)
YUV	117.8210, 55.3042, -5.1050
Hunter-Lab	42.5225, 32.3221, -77.6150

Details

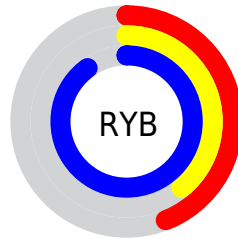
The RYB color **112, 99, 230** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **99, 230, 112**, and the grayscale version is **117, 117, 117**.

A 20% lighter version of the original color is **171, 150, 255**, and **47, 52, 173** is the 20% darker color. If you saturate the color by 10%, you get **91, 76, 230**, and if you desaturate by 10%, it is **133, 122, 230**.

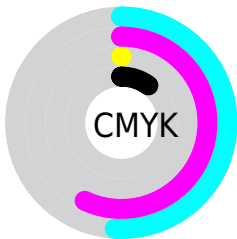
Distribution



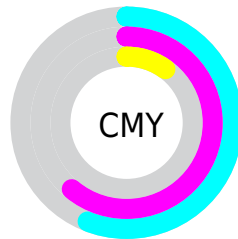
- Red (44%)
- Green (39%)
- Blue (90%)



- Red (44%)
- Yellow (39%)
- Blue (90%)



- Cyan (51%)
- Magenta (57%)
- Yellow (0%)
- Black (10%)



- Cyan (56%)
- Magenta (61%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the RYB color 112, 99, 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 RYB color 112, 99, 230 by changing the saturation by 10% instead.

 112, 99, 230


 112, 99, 230

255, 255, 255

 82, 75, 201


 171, 150, 255

 47, 52, 173

 201, 177, 255

 0, 25, 146

 231, 205, 255

 0, 8, 120

 255, 233, 255

 0, 0, 94

 0, 7, 69

 0, 4, 46

 0, 1, 24


 0, 0, 0


 112, 99, 230

 112, 99, 230


 91, 76, 230

 133, 122, 230


 71, 53, 230

 153, 145, 230

 50, 30, 230

 174, 168, 230

 29, 7, 230

 195, 191, 230

 23, 0, 230

 216, 214, 230

 230, 237, 231

 230, 255, 230

Harmonies

Analogous

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



0, 84, 249



112, 99, 230



195, 59, 181

Triad

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



112, 99, 230



191, 167, 0



0, 80, 145

Complementary

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



112, 99, 230



99, 230, 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, 104, 141



112, 99, 230



30, 141, 0

Square

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



112, 99, 230



222, 50, 55



0, 133, 58



0, 81, 184

Rectangle

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



112, 99, 230



221, 29, 140



0, 133, 58



0, 86, 144

Sweetspot

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



112, 99, 230



216, 212, 255



99, 162, 230



105, 102, 128



0, 0, 0



128, 128, 128

Same Dimension

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



112, 99, 230



99, 82, 255



175, 99, 230



104, 103, 115



18, 0, 179



5, 0, 51

Inverse Universe

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



230, 99, 217



255, 82, 238



99, 230, 175



115, 103, 114



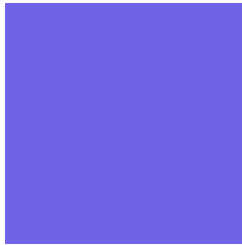
179, 0, 161



51, 0, 46

Previews

White Background



This preview shows how the RYB color 112, 99, 230 looks on a white background.

Color Contrast Check

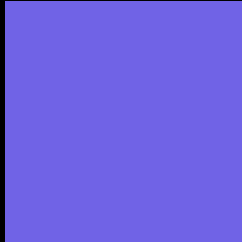
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 112, 99, 230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

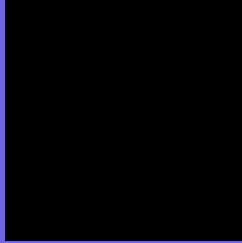
Any Text WCAG AA ✓ Pass

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 112, 99, 230 Background



This preview shows how black text looks on a background with the RYB color 112, 99, 230.

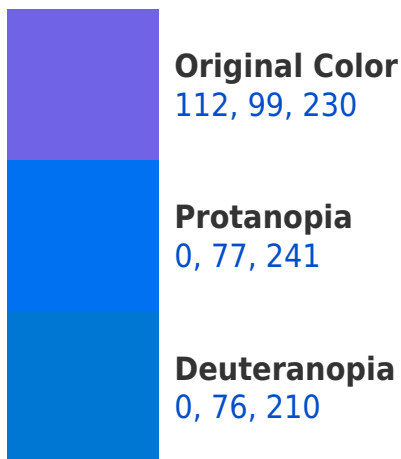


This preview shows how white text looks on a background with the RYB color 112, 99, 230.

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





Tritanopia
82, 105, 134

Trichromacy



Original Color
112, 99, 230

Protanomaly
41, 91, 237

Deuteranomaly
41, 92, 217

Tritanomaly
93, 110, 169

Monochromacy



Original Color
112, 99, 230

Achromatopsia
118, 118, 118

Achromatomaly
116, 111, 159

CSS Examples

Text

The CSS property to change the color of the text to RYB 112, 99, 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, 99, 230)` looks like.

```
.text, #text, p{  
    color:rgb(112, 99, 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, 99, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 99, 230) }
```

Border

The CSS property to change the border of an element to RYB 112, 99, 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, 99, 230) }
```

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

```
.border{ border-color:rgb(112, 99, 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, 99, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 99, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 99, 230);  
box-shadow:4px 4px 4px 4px rgb(112, 99,  
230) }
```

Background

The CSS property to change the background color of an element to RYB 112, 99, 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, 99, 230) }
```

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

```
.background{ background-color: rgb(112, 99,  
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](#).

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