

Converting Colors

`RYB(99, 92, 229)`

Have a look what the booklet for
RYB(99, 92, 229) contains.

RYB(99, 92, 229)	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(99, 92, 229)

Conversions

Conversions Part 1

Format	Color
Hex	635CE5
RGB	99, 92, 229
RGB Percent	39%, 36%, 90%
CMY	0.6118, 0.6392, 0.1020
CMYK	0.57, 0.60, 0.00, 0.10
HSL	243°, 72%, 63%
HSV	243°, 60%, 90%
XYZ	23.1156, 15.9641, 75.9918
YIQ	109.7110, -39.8050, 44.0910

Conversions

Conversions Part 2

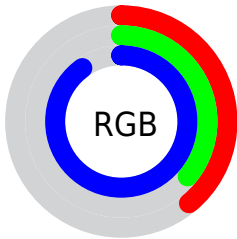
Format	Color
R _Y B	99, 92, 229
Decimal	6511845
CIE Lab	46.93, 40.86, -68.91
CIE LCh	47, 80.113, 300.666
Yxy	15.9641, 0.2009, 0.1387
Android (android.graphics.Color)	4284701925 (0xFF635CE5)
YUV	109.7110, 58.8095, -9.3935
Hunter-Lab	39.9551, 33.3479, -84.7969

Details

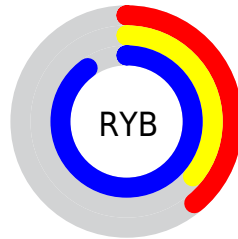
The RYB color **99, 92, 229** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted purple. A complement of this color would be **92, 229, 99**, and the grayscale version is **109, 109, 109**.

A 20% lighter version of the original color is **160, 143, 255**, and **22, 42, 172** is the 20% darker color. If you saturate the color by 10%, you get **77, 69, 229**, and if you desaturate by 10%, it is **121, 115, 229**.

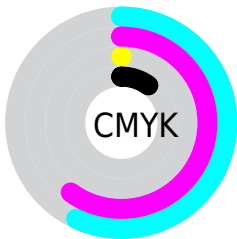
Distribution



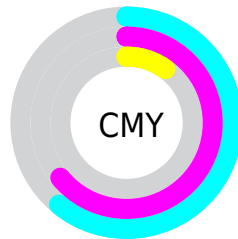
- Red (39%)
- Green (36%)
- Blue (90%)



- Red (39%)
- Yellow (36%)
- Blue (90%)



- Cyan (57%)
- Magenta (60%)
- Yellow (0%)
- Black (10%)



- Cyan (61%)
- Magenta (64%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 99, 92, 229 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 99, 92, 229 by changing the saturation by 10% instead.



99, 92, 229



99, 92, 229

255, 255, 255



66, 68, 200



160, 143, 255



22, 42, 172



190, 169, 255



0, 21, 145



220, 197, 255



0, 5, 119



250, 225, 255



0, 0, 93

255, 254, 255



0, 7, 68



0, 3, 45



0, 1, 23



0, 0, 0

■ 99, 92, 229

■ 99, 92, 229

■ 77, 69, 229

■ 121, 115, 229

■ 56, 46, 229

■ 142, 138, 229

■ 34, 23, 229

■ 164, 161, 229

■ 12, 0, 229

■ 186, 184, 229

■ 208, 207, 229

■ 229, 229, 229

■ 229, 252, 230

■ 229, 255, 229

Harmonies

Analogous

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



0, 81, 248



99, 92, 229



190, 44, 179

Triad

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



99, 92, 229



186, 140, 0



0, 76, 138

Complementary

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



99, 92, 229



92, 229, 99

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, 106, 135



99, 92, 229



32, 135, 0

Square

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



99, 92, 229



218, 27, 47



0, 126, 62



0, 78, 179

Rectangle

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



99, 92, 229



217, 0, 135



0, 126, 62



0, 84, 137

Sweetspot

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



99, 92, 229



211, 209, 255



92, 159, 229



101, 99, 128



0, 0, 0



128, 128, 128

Same Dimension

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



99, 92, 229



81, 71, 255



167, 92, 229



104, 103, 115



9, 0, 179



3, 0, 51

Inverse Universe

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



229, 92, 222



255, 71, 246



92, 229, 167



115, 103, 114



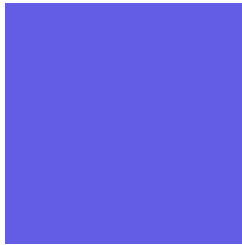
179, 0, 169



51, 0, 48

Previews

White Background



This preview shows how the RYB color 99, 92, 229 looks on a white background.

Color Contrast Check

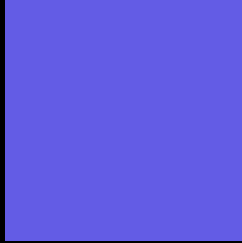
Large Text (above 18pt) WCAG AA ✓ Pass

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 99, 92, 229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

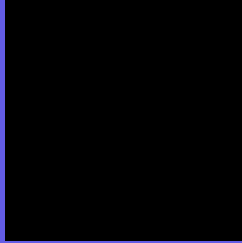
Any Text WCAG AA × Fail

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](#).

R Y B 99, 92, 229 Background



This preview shows how black text looks on a background with the R Y B color 99, 92, 229.

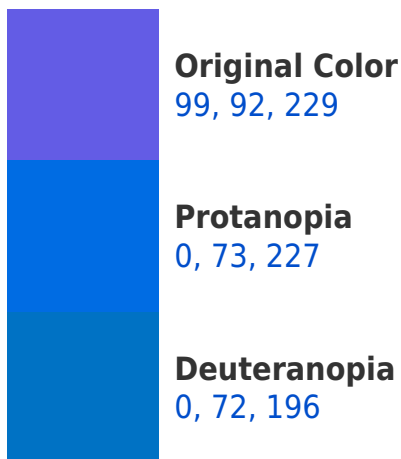


This preview shows how white text looks on a background with the R Y B color 99, 92, 229.

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





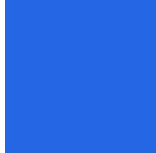
Tritanopia
60, 92, 129

Trichromacy



Original Color

99, 92, 229



Protanomaly

36, 85, 228



Deuteranomaly

36, 85, 208



Tritanomaly

74, 100, 165

Monochromacy



Original Color

99, 92, 229



Achromatopsia

110, 110, 110



Achromatomaly

106, 103, 153

CSS Examples

Text

The CSS property to change the color of the text to RYB 99, 92, 229 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(99, 92, 229)` looks like.

```
.text, #text, p{  
    color:rgb(99, 92, 229)  
}
```

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(99, 92, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 92, 229) }
```

Border

The CSS property to change the border of an element to RYB 99, 92, 229 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(99, 92, 229) }
```

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

```
.border{ border-color:rgb(99, 92, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 92, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 92, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 92, 229);  
box-shadow:4px 4px 4px 4px rgb(99, 92,  
229) }
```

Background

The CSS property to change the background color of an element to RYB 99, 92, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 92, 229) }
```

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

```
.background{ background-color: rgb(99, 92,  
229) }
```

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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