

Converting Colors

`RYB(109, 101, 210)`

Have a look what the booklet for
RYB(109, 101, 210) contains.

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Color

R_{YB}(109, 101, 210)

Conversions

Conversions Part 1

Format	Color
Hex	6D65D2
RGB	109, 101, 210
RGB Percent	43%, 40%, 82%
CMY	0.5725, 0.6039, 0.1765
CMYK	0.48, 0.52, 0.00, 0.18
HSL	244°, 55%, 61%
HSV	244°, 52%, 82%
XYZ	22.5932, 17.2117, 63.1042
YIQ	115.8180, -30.2210, 35.5950

Conversions

Conversions Part 2

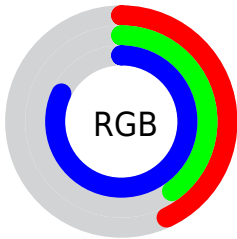
Format	Color
R _Y B	109, 101, 210
Decimal	7169490
CIE Lab	48.53, 31.60, -55.50
CIE LCh	49, 63.864, 299.658
Yxy	17.2117, 0.2195, 0.1673
Android (android.graphics.Color)	4285359570 (0xFF6D65D2)
YUV	115.8180, 46.4317, -5.9794
Hunter-Lab	41.4870, 24.6062, -61.1427

Details

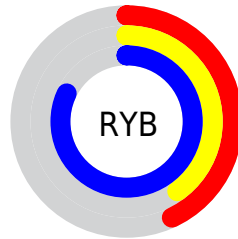
The RYB color **109, 101, 210** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **101, 210, 109**, and the grayscale version is **115, 115, 115**.

A 20% lighter version of the original color is **166, 152, 255**, and **49, 54, 155** is the 20% darker color. If you saturate the color by 10%, you get **90, 80, 210**, and if you desaturate by 10%, it is **128, 122, 210**.

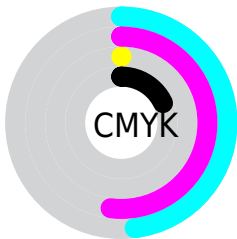
Distribution



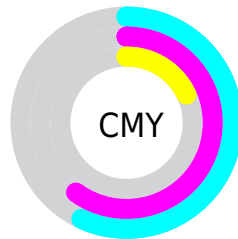
- Red (43%)
- Green (40%)
- Blue (82%)



- Red (43%)
- Yellow (40%)
- Blue (82%)



- Cyan (48%)
- Magenta (52%)
- Yellow (0%)
- Black (18%)



- Cyan (57%)
- Magenta (60%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 109, 101, 210 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 109, 101, 210 by changing the saturation by 10% instead.

 109, 101, 210

255, 255, 255

 166, 152, 255

 195, 179, 255

 224, 207, 255


 254, 235, 255

 109, 101, 210

 80, 77, 182

 49, 54, 155

 3, 27, 128

 0, 12, 102

 0, 0, 78

 0, 5, 54


 0, 2, 31


 0, 0, 3

 0, 0, 0


 109, 101, 210


 109, 101, 210


 90, 80, 210


 128, 122, 210

 70, 59, 210

 148, 143, 210

 51, 38, 210

 167, 164, 210

 31, 17, 210

 187, 185, 210

 15, 0, 210

 206, 206, 210

 210, 227, 211

 210, 248, 213

 210, 255, 210

Harmonies

Analogous

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



0, 79, 224



109, 101, 210



178, 73, 171

Triad

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



109, 101, 210



181, 164, 10



0, 77, 139

Complementary

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



109, 101, 210



101, 210, 109

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, 95, 135



109, 101, 210



33, 140, 0

Square

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



109, 101, 210



206, 65, 65



0, 127, 41



0, 76, 167

Rectangle

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



109, 101, 210



201, 57, 136



0, 127, 41



0, 82, 138

Sweetspot

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



109, 101, 210



217, 214, 255



101, 154, 210



105, 103, 128



0, 0, 0



128, 128, 128

Same Dimension

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



109, 101, 210



109, 97, 255



163, 101, 210



95, 94, 105



12, 0, 168



3, 0, 41

Inverse Universe

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



210, 101, 202



255, 97, 243



101, 210, 163



105, 94, 104



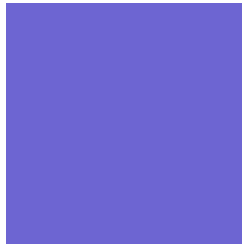
168, 0, 156



41, 0, 38

Previews

White Background



This preview shows how the RYB color 109, 101, 210 looks on a white background.

Color Contrast Check

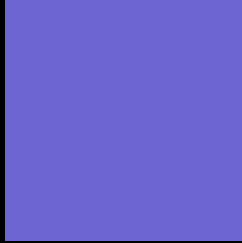
Large Text (above 18pt) WCAG AA ✓ Pass

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 109, 101, 210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

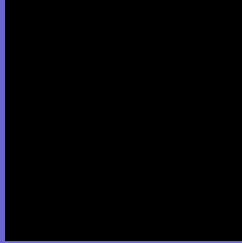
Any Text WCAG AA × Fail

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](#).

RYB 109, 101, 210 Background



This preview shows how black text looks on a background with the RYB color 109, 101, 210.

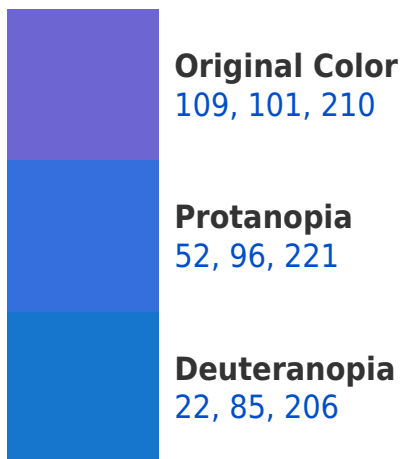


This preview shows how white text looks on a background with the RYB color 109, 101, 210.

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
86, 105, 130

Trichromacy



Original Color
109, 101, 210

Protanomaly
73, 101, 217

Deuteranomaly
54, 96, 207

Tritanomaly
94, 109, 159

Monochromacy



Original Color
109, 101, 210

Achromatopsia
116, 116, 116

Achromatomaly
113, 111, 150

CSS Examples

Text

The CSS property to change the color of the text to RYB 109, 101, 210 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(109, 101, 210)` looks like.

```
.text, #text, p{  
    color:rgb(109, 101, 210)  
}
```

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(109, 101, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 101, 210) }
```

Border

The CSS property to change the border of an element to RYB 109, 101, 210 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(109, 101, 210) }
```

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

```
.border{ border-color:rgb(109, 101, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 101, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 101, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 101, 210);  
box-shadow:4px 4px 4px 4px rgb(109, 101,  
210) }
```

Background

The CSS property to change the background color of an element to RYB 109, 101, 210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 101, 210) }
```

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

```
.background{ background-color: rgb(109,  
101, 210) }
```

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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