

Converting Colors

`RYB(105, 129, 235)`

Have a look what the booklet for
RYB(105, 129, 235) contains.

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Color

`RYB(105, 129, 235)`

Conversions

Conversions Part 1

Format	Color
Hex	6986EB
RGB	105, 134, 235
RGB Percent	41%, 53%, 92%
CMY	0.5882, 0.4728, 0.0784
CMYK	0.55, 0.43, 0.00, 0.08
HSL	226°, 76%, 67%
HSV	226°, 55%, 92%
XYZ	29.4063, 26.1718, 82.0990
YIQ	136.8430, -49.7050, 25.2630

Conversions

Conversions Part 2

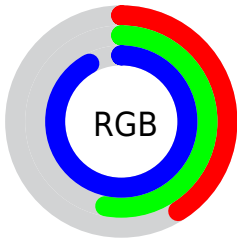
Format	Color
RYB	105, 129, 235
Decimal	6915819
CIELab	58.20, 18.35, -54.10
CIElCh	58, 57.130, 288.730
Yxy	26.1718, 0.2136, 0.1901
Android (android.graphics.Color)	4285105899 (0xFF6986EB)
YUV	136.8430, 48.3914, -27.9263
Hunter-Lab	51.1584, 13.0762, -59.3378

Details

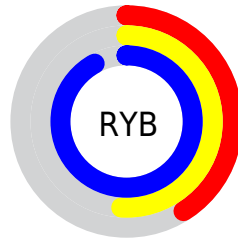
The RYB color **105, 129, 235** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **142, 235, 105**, and the grayscale version is **137, 137, 137**.

A 20% lighter version of the original color is **164, 182, 255**, and **38, 73, 179** is the 20% darker color. If you saturate the color by 10%, you get **81, 110, 235**, and if you desaturate by 10%, it is **128, 148, 235**.

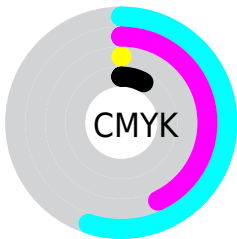
Distribution



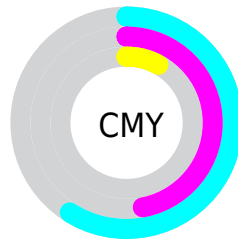
- Red (41%)
- Green (53%)
- Blue (92%)



- Red (41%)
- Yellow (51%)
- Blue (92%)



- Cyan (55%)
- Magenta (43%)
- Yellow (0%)
- Black (8%)



- Cyan (59%)
- Magenta (47%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 105, 129, 235 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 105, 129, 235 by changing the saturation by 10% instead.

 105, 129, 235


255, 255, 255


 164, 182, 255

 193, 209, 255

 223, 235, 255

253, 254, 255

 105, 129, 235

 74, 102, 206

 38, 73, 179

 0, 44, 151

 0, 31, 125

 0, 19, 99

 0, 1, 75

 0, 4, 51

 0, 2, 29

 0, 0, 0

■ 105, 129, 235

■ 105, 129, 235

■ 81, 110, 235

■ 128, 148, 235

■ 58, 91, 235

■ 152, 167, 235

■ 34, 71, 235

■ 175, 186, 235

■ 11, 53, 235

■ 199, 206, 235

■ 0, 43, 235

■ 222, 224, 235

■ 237, 246, 235

■ 235, 255, 235

Harmonies

Analogous

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



0, 92, 238



105, 129, 235



182, 113, 206

Triad

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



105, 129, 235



215, 130, 66



0, 94, 163

Complementary

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



105, 129, 235



142, 235, 105

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.



70, 157, 152



105, 129, 235



111, 182, 33

Square

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



105, 129, 235



231, 94, 111



34, 147, 45



0, 84, 171

Rectangle

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



105, 129, 235



211, 100, 177



34, 147, 45



0, 99, 161

Sweetspot

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



105, 129, 235



212, 219, 255



105, 178, 235



102, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



105, 129, 235



87, 118, 255



140, 105, 235



106, 108, 117



0, 33, 181



0, 10, 54

Inverse Universe

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



235, 105, 134



255, 87, 125



105, 235, 140



117, 106, 108



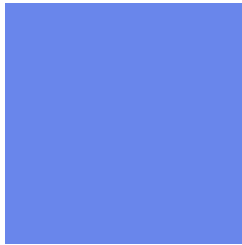
181, 0, 41



54, 0, 12

Previews

White Background



This preview shows how the RYB color 105, 129, 235 looks on a white background.

Color Contrast Check

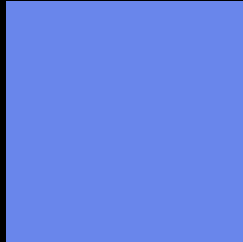
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RYB color 105, 129, 235 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 105, 129, 235 Background



This preview shows how black text looks on a background with the RYB color 105, 129, 235.

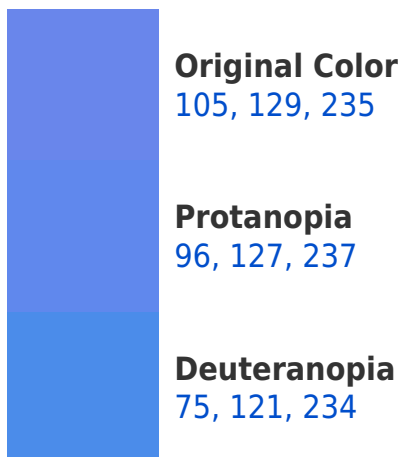


This preview shows how white text looks on a background with the RYB color 105, 129, 235.

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
78, 117, 163

Trichromacy



Original Color
105, 129, 235

Protanomaly
99, 128, 236

Deuteranomaly
86, 124, 234

Tritanomaly
88, 124, 189

Monochromacy



Original Color
105, 129, 235

Achromatopsia
137, 137, 137

Achromatomaly
125, 134, 173

CSS Examples

Text

The CSS property to change the color of the text to RYB 105, 129, 235 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(105, 134, 235)` looks like.

```
.text, #text, p{  
    color:rgb(105, 134, 235)  
}
```

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(105, 134, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 134, 235) }
```

Border

The CSS property to change the border of an element to RYB 105, 129, 235 is called "border". The border property can be set on classes, ids or directly on the HTML element.

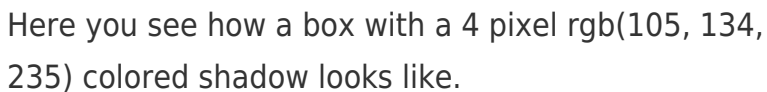
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 134, 235) }
```

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

```
.border{ border-color:rgb(105, 134, 235) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 134, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 134, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 134, 235);  
box-shadow:4px 4px 4px 4px rgb(105, 134,  
235) }
```

Background

The CSS property to change the background color of an element to RYB 105, 129, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 134, 235) }
```

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

```
.background{ background-color: rgb(105,  
134, 235) }
```

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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