

Converting Colors

`RYB(107, 131, 231)`

Have a look what the booklet for
RYB(107, 131, 231) contains.

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Color

R_YB(107, 131, 231)

Conversions

Conversions Part 1

Format	Color
Hex	6B89E7
RGB	107, 137, 231
RGB Percent	42%, 54%, 91%
CMY	0.5804, 0.4637, 0.0941
CMYK	0.54, 0.41, 0.00, 0.09
HSL	226°, 72%, 66%
HSV	226°, 54%, 91%
XYZ	29.3988, 26.7185, 79.2090
YIQ	138.7460, -48.0540, 22.8740

Conversions

Conversions Part 2

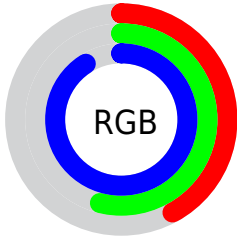
Format	Color
RYB	107, 131, 231
Decimal	7047655
CIELab	58.71, 16.10, -51.06
CIELCh	59, 53.538, 287.506
Yxy	26.7185, 0.2172, 0.1974
Android (android.graphics.Color)	4285237735 (0xFF6B89E7)
YUV	138.7460, 45.4812, -27.8412
Hunter-Lab	51.6899, 11.0650, -54.6723

Details

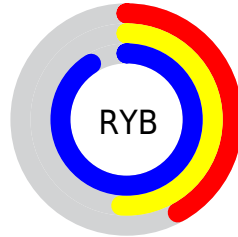
The RYB color **107, 131, 231** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **147, 231, 107**, and the grayscale version is **138, 138, 138**.

A 20% lighter version of the original color is **165, 185, 255**, and **43, 77, 175** is the 20% darker color. If you saturate the color by 10%, you get **84, 112, 231**, and if you desaturate by 10%, it is **130, 149, 231**.

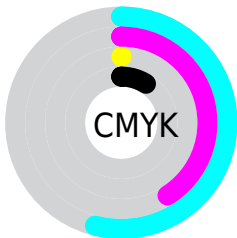
Distribution



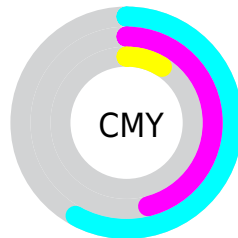
- Red (42%)
- Green (54%)
- Blue (91%)



- Red (42%)
- Yellow (51%)
- Blue (91%)



- Cyan (54%)
- Magenta (41%)
- Yellow (0%)
- Black (9%)




- Cyan (58%)
- Magenta (46%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 107, 131, 231 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 107, 131, 231 by changing the saturation by 10% instead.

 107, 131, 231

 107, 131, 231

255, 255, 255

 77, 104, 203

 165, 185, 255

 43, 76, 175

 195, 211, 255

 0, 45, 148

 224, 237, 255

 0, 32, 121

254, 255, 255

 0, 19, 96

 0, 0, 72

 0, 4, 48

 0, 1, 26

 0, 0, 0

■ 107, 131, 231

■ 107, 131, 231

■ 84, 112, 231

■ 130, 149, 231

■ 61, 94, 231

■ 153, 168, 231

■ 38, 75, 231

■ 176, 187, 231

■ 15, 57, 231

■ 199, 205, 231

■ 0, 44, 231

■ 223, 225, 231

■ 236, 246, 231

■ 231, 255, 231

Harmonies

Analogous

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



0, 92, 233



107, 131, 231



179, 117, 205

Triad

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



107, 131, 231



214, 129, 73



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.



107, 131, 231



147, 231, 107

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.



75, 157, 147



107, 131, 231



126, 183, 45

Square

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



107, 131, 231



227, 100, 116



44, 147, 51



0, 83, 168

Rectangle

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



107, 131, 231



207, 105, 178



44, 147, 51



7, 103, 162

Sweetspot

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



107, 131, 231



214, 222, 255



107, 178, 231



103, 108, 128



0, 0, 0



128, 128, 128

Same Dimension

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



107, 131, 231



92, 123, 255



138, 107, 231



103, 105, 115



0, 35, 179



0, 10, 51

Inverse Universe

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



231, 107, 137



255, 92, 131



107, 231, 138



115, 103, 106



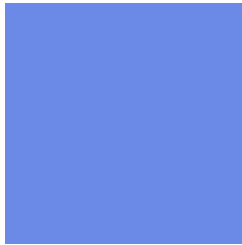
179, 0, 43



51, 0, 12

Previews

White Background



This preview shows how the RYB color 107, 131, 231 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 107, 131, 231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

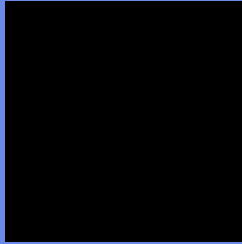
Any Text WCAG AA ✓ Pass

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 107, 131, 231 Background



This preview shows how black text looks on a background with the RYB color 107, 131, 231.

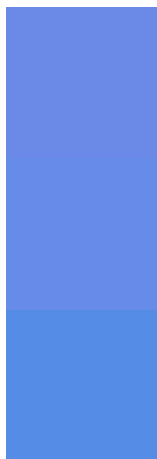


This preview shows how white text looks on a background with the RYB color 107, 131, 231.

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



Original Color

107, 131, 231

Protanopia

103, 131, 232

Deuteranopia

85, 125, 230



Tritanopia
83, 120, 163

Trichromacy



Original Color
107, 131, 231

Protanomaly
104, 131, 232

Deuteranomaly
93, 127, 230

Tritanomaly
92, 127, 188

Monochromacy



Original Color
107, 131, 231

Achromatopsia
139, 139, 139

Achromatomaly
127, 136, 172

CSS Examples

Text

The CSS property to change the color of the text to RGB 107, 131, 231 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(107, 137, 231)` looks like.

```
.text, #text, p{  
    color:rgb(107, 137, 231)  
}
```

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(107, 137, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 137, 231) }
```

Border

The CSS property to change the border of an element to RYB 107, 131, 231 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(107, 137, 231) }
```

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

```
.border{ border-color:rgb(107, 137, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 137, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 137, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 137, 231);  
box-shadow:4px 4px 4px 4px rgb(107, 137,  
231) }
```

Background

The CSS property to change the background color of an element to RYB 107, 131, 231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 137, 231) }
```

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

```
.background{ background-color: rgb(107,  
137, 231) }
```

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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