

Converting Colors

`RYB(107, 133, 227)`

Have a look what the booklet for
RYB(107, 133, 227) contains.

RYB(107, 133, 227)	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(107, 133, 227)

Conversions

Conversions Part 1

Format	Color
Hex	6B8CE3
RGB	107, 140, 227
RGB Percent	42%, 55%, 89%
CMY	0.5804, 0.4502, 0.1098
CMYK	0.53, 0.38, 0.00, 0.11
HSL	223°, 68%, 65%
HSV	223°, 53%, 89%
XYZ	29.3346, 27.4840, 76.4319
YIQ	140.0510, -47.5950, 20.0610

Conversions

Conversions Part 2

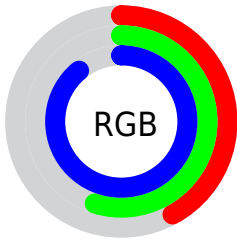
Format	Color
RYB	107, 133, 227
Decimal	7048419
CIELab	59.42, 12.81, -47.71
CIElCh	59, 49.403, 285.031
Yxy	27.4840, 0.2201, 0.2063
Android (android.graphics.Color)	4285238499 (0xFF6B8CE3)
YUV	140.0510, 42.8659, -28.9857
Hunter-Lab	52.4252, 8.1359, -49.7426

Details

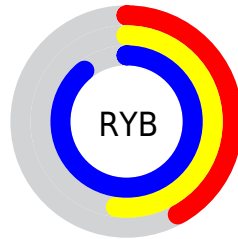
The RYB color **107, 133, 227** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **153, 227, 107**, and the grayscale version is **140, 140, 140**.

A 20% lighter version of the original color is **165, 186, 255**, and **44, 78, 171** is the 20% darker color. If you saturate the color by 10%, you get **84, 115, 227**, and if you desaturate by 10%, it is **130, 151, 227**.

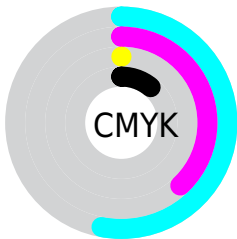
Distribution



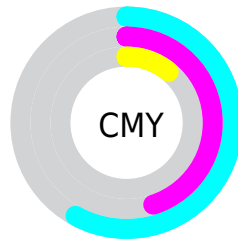
- Red (42%)
- Green (55%)
- Blue (89%)



- Red (42%)
- Yellow (52%)
- Blue (89%)



- Cyan (53%)
- Magenta (38%)
- Yellow (0%)
- Black (11%)



- Cyan (58%)
- Magenta (45%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 107, 133, 227 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, 133, 227 by changing the saturation by 10% instead.

 107, 133, 227


255, 255, 255

 165, 186, 255

 194, 213, 255

 223, 238, 255

253, 254, 255

 107, 133, 227

 77, 106, 199

 44, 78, 171

 0, 46, 144

 0, 33, 118

 0, 20, 93

 0, 0, 69

 0, 3, 45

 0, 1, 24

 0, 0, 0

■ 107, 133, 227

■ 107, 133, 227

■ 84, 115, 227

■ 130, 151, 227

■ 62, 97, 227

■ 152, 168, 227

■ 39, 80, 227

■ 175, 186, 227

■ 16, 62, 227

■ 198, 204, 227

■ 0, 49, 227

■ 220, 222, 227

■ 232, 243, 227

■ 227, 255, 227

Harmonies

Analogous

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



0, 92, 227



107, 133, 227



174, 123, 205

Triad

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



107, 133, 227



213, 129, 83



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, 133, 227



153, 227, 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.



79, 158, 139



107, 133, 227



147, 186, 57

Square

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



107, 133, 227



224, 106, 123



54, 148, 55



0, 83, 165

Rectangle

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



107, 133, 227



202, 112, 181



54, 148, 55



50, 125, 162

Sweetspot

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



107, 133, 227



214, 223, 255



107, 177, 227



103, 108, 128



0, 0, 0



128, 128, 128

Same Dimension

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



107, 133, 227



94, 129, 255



133, 107, 227



103, 105, 115



0, 38, 179



0, 11, 51

Inverse Universe

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



227, 107, 140



255, 94, 139



107, 227, 133



115, 103, 106



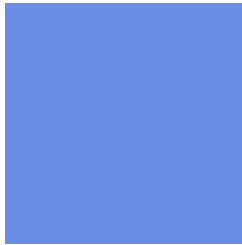
179, 0, 49



51, 0, 14

Previews

White Background



This preview shows how the RYB color 107, 133, 227 looks on a white background.

Color Contrast Check

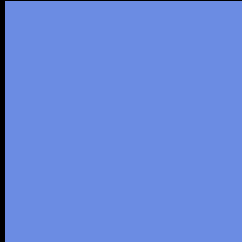
Large Text (above 18pt) WCAG AA ✓ Pass

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, 133, 227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

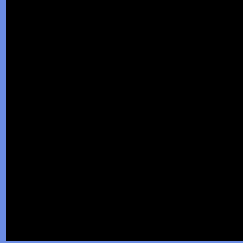
Any Text WCAG AA ✓ Pass

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, 133, 227 Background



This preview shows how black text looks on a background with the RYB color 107, 133, 227.



This preview shows how white text looks on a background with the RYB color 107, 133, 227.

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, 133, 227

Protanopia
110, 134, 227

Deuteranopia
95, 130, 226



Tritanopia
86, 122, 165

Trichromacy



Original Color
107, 133, 227

Protanomaly
109, 134, 227

Deuteranomaly
99, 131, 226

Tritanomaly
94, 128, 188

Monochromacy



Original Color
107, 133, 227

Achromatopsia
140, 140, 140

Achromatomaly
128, 137, 172

CSS Examples

Text

The CSS property to change the color of the text to RYB 107, 133, 227 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, 140, 227)` looks like.

```
.text, #text, p{  
    color:rgb(107, 140, 227)  
}
```

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, 140, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 140, 227) }
```

Border

The CSS property to change the border of an element to RYB 107, 133, 227 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, 140, 227) }
```

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

```
.border{ border-color:rgb(107, 140, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 140, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 140, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 140, 227); box-shadow:4px 4px 4px 4px rgb(107, 140, 227) }
```

Background

The CSS property to change the background color of an element to RYB 107, 133, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 140, 227) }
```

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

```
.background{ background-color: rgb(107,  
140, 227) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor