

Converting Colors

`RYB(107, 156, 214)`

Have a look what the booklet for
RYB(107, 156, 214) contains.

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Color

R_YB(107, 156, 214)

Conversions

Conversions Part 1

Format	Color
Hex	6BC5D6
RGB	107, 197, 214
RGB Percent	42%, 77%, 84%
CMY	0.5804, 0.2259, 0.1608
CMYK	0.50, 0.08, 0.00, 0.16
HSL	189°, 57%, 63%
HSV	189°, 50%, 84%
XYZ	38.2574, 48.0937, 70.8850
YIQ	172.0280, -59.0970, -13.7930

Conversions

Conversions Part 2

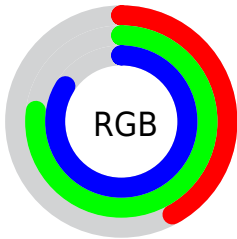
Format	Color
RYB	107, 156, 214
Decimal	7062998
CIELab	74.88, -22.57, -16.64
CIELCh	75, 28.041, 216.404
Yxy	48.0937, 0.2433, 0.3059
Android (android.graphics.Color)	4285253078 (0xFF6BC5D6)
YUV	172.0280, 20.6922, -57.0296
Hunter-Lab	69.3496, -22.8904, -12.0579

Details

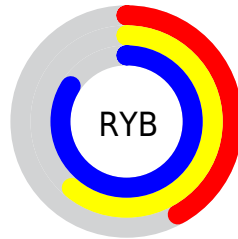
The RYB color **107, 156, 214** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **214, 127, 107**, and the grayscale version is **172, 172, 172**.

A 20% lighter version of the original color is **165, 210, 255**, and **45, 98, 159** is the 20% darker color. If you saturate the color by 10%, you get **86, 145, 214**, and if you desaturate by 10%, it is **128, 167, 214**.

Distribution



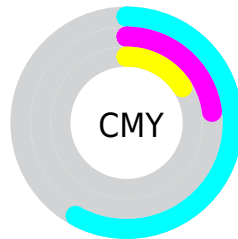
- Red (42%)
- Green (77%)
- Blue (84%)



- Red (42%)
- Yellow (61%)
- Blue (84%)



- Cyan (50%)
- Magenta (8%)
- Yellow (0%)
- Black (16%)



- Cyan (58%)
- Magenta (23%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 107, 156, 214 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, 156, 214 by changing the saturation by 10% instead.

 107, 156, 214

255, 255, 255


 165, 210, 255

 194, 225, 255

 223, 239, 255

253, 254, 255

 107, 156, 214

 77, 127, 186

 45, 98, 159

 0, 63, 133

 0, 50, 108

 0, 38, 84

 0, 26, 60

 0, 16, 39

 0, 1, 17

 0, 0, 0

■ 107, 156, 214

■ 107, 156, 214

■ 86, 145, 214

■ 128, 167, 214

■ 64, 133, 214

■ 150, 179, 214

■ 43, 121, 214

■ 171, 191, 214

■ 21, 109, 214

■ 193, 203, 214

■ 0, 98, 214

■ 214, 214, 214

■ 235, 218, 214

■ 255, 222, 214

■ 255, 227, 214

■ 255, 233, 214

Harmonies

Analogous

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



115, 160, 199



107, 156, 214



125, 166, 231

Triad

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



107, 156, 214



222, 168, 206



151, 198, 133

Complementary

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



107, 156, 214



214, 127, 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.



221, 208, 138



107, 156, 214



236, 165, 180

Square

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



107, 156, 214



195, 176, 226



234, 171, 155



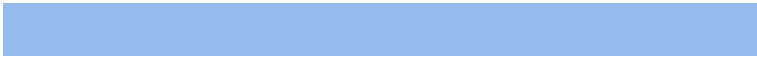
142, 192, 165

Rectangle

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



107, 156, 214



148, 175, 235



234, 171, 155



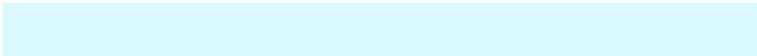
169, 206, 133

Sweetspot

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



107, 156, 214



217, 234, 255



107, 200, 214



105, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



107, 156, 214



102, 172, 255



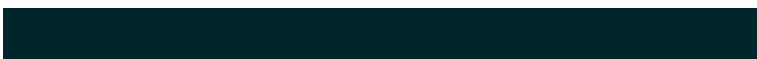
107, 134, 214



96, 101, 107



0, 78, 171



0, 20, 43

Inverse Universe

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



214, 107, 197



255, 102, 231



164, 214, 107



107, 96, 105



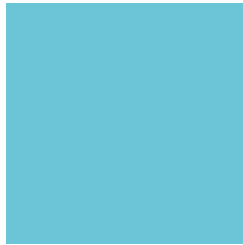
171, 0, 144



43, 0, 37

Previews

White Background



This preview shows how the RYB color 107, 156, 214 looks on a white background.

Color Contrast Check

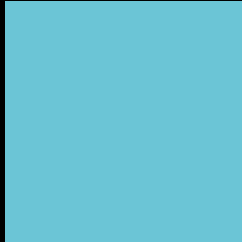
Large Text (above 18pt) WCAG AA × Fail

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, 156, 214 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 107, 156, 214 Background



This preview shows how black text looks on a background with the RYB color 107, 156, 214.

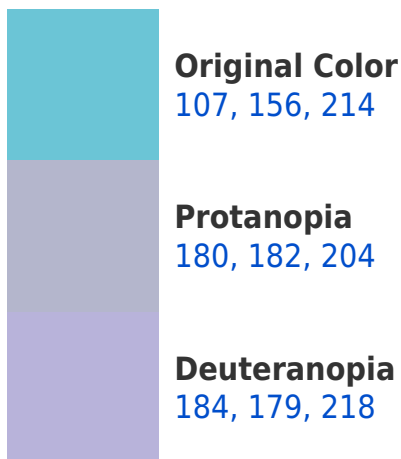


This preview shows how white text looks on a background with the RYB color 107, 156, 214.

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
107, 156, 213

Trichromacy



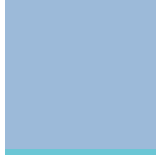
Original Color

107, 156, 214



Protanomaly

153, 174, 208



Deuteranomaly

156, 176, 217



Tritanomaly

107, 156, 213

Monochromacy



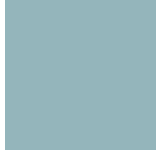
Original Color

107, 156, 214



Achromatopsia

172, 172, 172



Achromatomaly

148, 166, 187

CSS Examples

Text

The CSS property to change the color of the text to RYB 107, 156, 214 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, 197, 214)` looks like.

```
.text, #text, p{  
    color:rgb(107, 197, 214)  
}
```

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, 197, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 197, 214) }
```

Border

The CSS property to change the border of an element to RYB 107, 156, 214 is called "border". The border property can be set on classes, ids or directly on the HTML element.

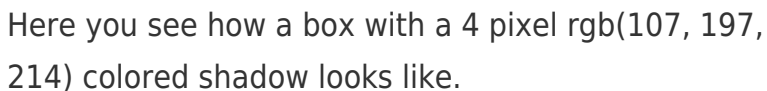
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 197, 214) }
```

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

```
.border{ border-color:rgb(107, 197, 214) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 197, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 197, 214); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 197, 214); box-shadow:4px 4px 4px 4px rgb(107, 197, 214) }
```

Background

The CSS property to change the background color of an element to RYB 107, 156, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 197, 214) }
```

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

```
.background{ background-color: rgb(107,  
197, 214) }
```

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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