

Converting Colors

`RYB(107, 167, 223)`

Have a look what the booklet for
RYB(107, 167, 223) contains.

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Color

R_YB(107, 167, 223)

Conversions

Conversions Part 1

Format	Color
Hex	6BDFD7
RGB	107, 223, 215
RGB Percent	42%, 87%, 84%
CMY	0.5804, 0.1255, 0.1558
CMYK	0.52, 0.00, 0.03, 0.13
HSL	176°, 64%, 65%
HSV	176°, 52%, 87%
XYZ	44.7511, 60.8212, 73.8508
YIQ	187.4040, -66.5680, -27.0800

Conversions

Conversions Part 2

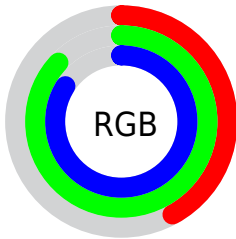
Format	Color
R _{YB}	107, 167, 223
Decimal	7069655
CIE Lab	82.28, -34.65, -6.27
CIE LCh	82, 35.216, 190.256
Yxy	60.8212, 0.2494, 0.3390
Android (android.graphics.Color)	4285259735 (0xFF6BDFD7)
YUV	187.4040, 13.6048, -70.5143
Hunter-Lab	77.9879, -34.0518, -1.5532

Details

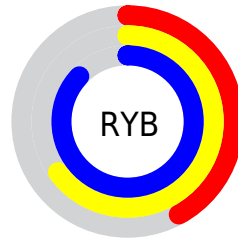
The RYB color **107, 167, 223** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **223, 107, 115**, and the grayscale version is **187, 187, 187**.

A 20% lighter version of the original color is **166, 211, 255**, and **39, 105, 167** is the 20% darker color. If you saturate the color by 10%, you get **85, 156, 223**, and if you desaturate by 10%, it is **129, 178, 223**.

Distribution



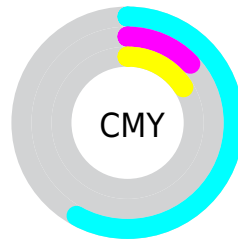
- Red (42%)
- Green (87%)
- Blue (84%)



- Red (42%)
- Yellow (65%)
- Blue (87%)



- Cyan (52%)
- Magenta (0%)
- Yellow (3%)
- Black (13%)




- Cyan (58%)
- Magenta (13%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 107, 167, 223 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, 167, 223 by changing the saturation by 10% instead.

 107, 167, 223


255, 255, 255


 166, 211, 255

 196, 226, 255

 226, 241, 255

 107, 167, 223

 76, 137, 195

 39, 105, 167

 0, 72, 141

 0, 59, 115

 0, 46, 89

 0, 33, 65

 0, 22, 43

 0, 9, 20

 0, 0, 0

■ 107, 167, 223

■ 107, 167, 223

■ 85, 156, 223

■ 129, 178, 223

■ 62, 145, 223

■ 152, 189, 223

■ 40, 135, 223

■ 174, 199, 223

■ 18, 124, 223

■ 196, 210, 223

■ 0, 115, 223

■ 219, 221, 223

■ 241, 223, 224

■ 255, 223, 226

■ 255, 223, 227

■ 255, 223, 229

Harmonies

Analogous

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



141, 194, 221



107, 167, 223



98, 165, 246

Triad

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



107, 167, 223



224, 192, 255



247, 247, 143

Complementary

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



107, 167, 223



223, 107, 115

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.



255, 191, 164



107, 167, 223



255, 183, 228

Square

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



107, 167, 223



178, 197, 255



255, 180, 194



150, 216, 139

Rectangle

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



107, 167, 223



115, 174, 255



255, 180, 194



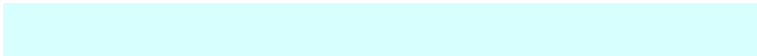
255, 220, 148

Sweetspot

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



107, 167, 223



214, 235, 255



107, 223, 215



103, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



107, 167, 223



97, 179, 255



107, 149, 223



101, 107, 112



0, 91, 176



0, 25, 48

Inverse Universe

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



223, 107, 115



255, 97, 107



223, 195, 107



112, 101, 102



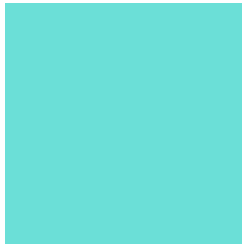
176, 0, 12



48, 0, 3

Previews

White Background



This preview shows how the RYB color 107, 167, 223 looks on a white background.

Color Contrast Check

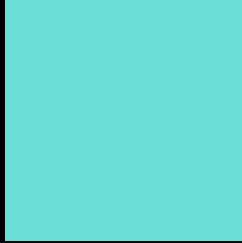
Large Text (above 18pt) WCAG AA × Fail

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, 167, 223 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

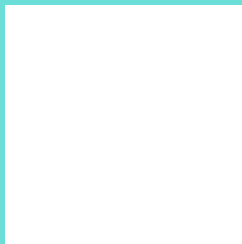
Any Text WCAG AAA ✓ Pass

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

RYB 107, 167, 223 Background



This preview shows how black text looks on a background with the RYB color 107, 167, 223.

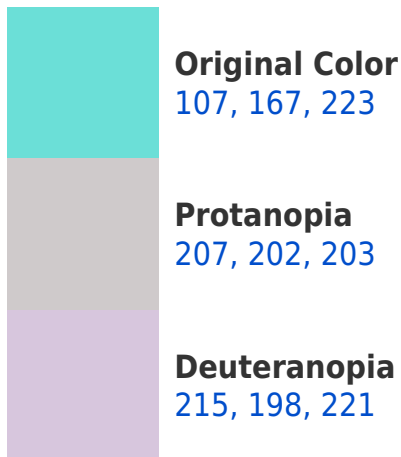


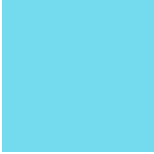
This preview shows how white text looks on a background with the RYB color 107, 167, 223.

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
115, 171, 237

Trichromacy



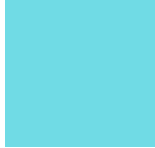
Original Color
107, 167, 223



Protanomaly
171, 191, 210



Deuteranomaly
176, 194, 219

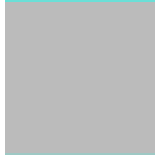


Tritanomaly
112, 168, 229

Monochromacy



Original Color
107, 167, 223



Achromatopsia
187, 187, 187



Achromatomaly
158, 180, 200

CSS Examples

Text

The CSS property to change the color of the text to RYB 107, 167, 223 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, 223, 215)` looks like.

```
.text, #text, p{  
    color:rgb(107, 223, 215)  
}
```

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, 223, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 223, 215) }
```

Border

The CSS property to change the border of an element to RYB 107, 167, 223 is called "border". The border property can be set on classes, ids or directly on the HTML element.

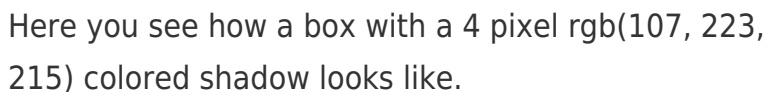
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 223, 215) }
```

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

```
.border{ border-color:rgb(107, 223, 215) }
```

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



Here you see how a box with a 4 pixel rgb(107, 223, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 223, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 223, 215);  
box-shadow:4px 4px 4px 4px rgb(107, 223,  
215) }
```

Background

The CSS property to change the background color of an element to RYB 107, 167, 223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 223, 215) }
```

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

```
.background{ background-color: rgb(107,  
223, 215) }
```

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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