

Converting Colors

`RYB(106, 177, 235)`

Have a look what the booklet for
RYB(106, 177, 235) contains.

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Color

R_YB(106, 177, 235)

Conversions

Conversions Part 1

Format	Color
Hex	6AEBD3
RGB	106, 235, 211
RGB Percent	42%, 92%, 83%
CMY	0.5843, 0.0784, 0.1711
CMYK	0.55, 0.00, 0.10, 0.08
HSL	169°, 76%, 67%
HSV	169°, 55%, 92%
XYZ	47.4578, 67.2031, 72.3485
YIQ	193.6930, -69.1800, -34.8120

Conversions

Conversions Part 2

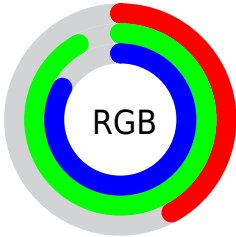
Format	Color
RYB	106, 177, 235
Decimal	7007187
CIELab	85.61, -41.29, 0.66
CIELCh	86, 41.297, 179.084
Yxy	67.2031, 0.2538, 0.3594
Android (android.graphics.Color)	4285197267 (0xFF6AEBD3)
YUV	193.6930, 8.5324, -76.9068
Hunter-Lab	81.9775, -40.1247, 5.0584

Details

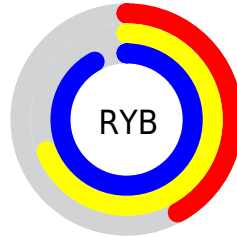
The RYB color **106, 177, 235** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **235, 106, 130**, and the grayscale version is **194, 194, 194**.

A 20% lighter version of the original color is **166, 211, 255**, and **34, 112, 179** is the 20% darker color. If you saturate the color by 10%, you get **82, 166, 235**, and if you desaturate by 10%, it is **130, 188, 235**.

Distribution



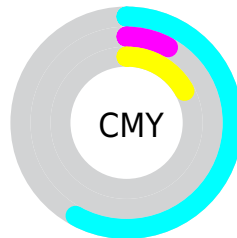
- Red (42%)
- Green (92%)
- Blue (83%)



- Red (42%)
- Yellow (69%)
- Blue (92%)



- Cyan (55%)
- Magenta (0%)
- Yellow (10%)
- Black (8%)



- Cyan (58%)
- Magenta (8%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 106, 177, 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 106, 177, 235 by changing the saturation by 10% instead.


 106, 177, 235


255, 255, 255


 166, 211, 255

 196, 226, 255

 227, 241, 255

 106, 177, 235

 74, 146, 206

 34, 112, 179


 0, 81, 151

 0, 68, 125

 0, 54, 99

 0, 41, 74


 0, 30, 51


 0, 18, 28


 0, 0, 0

 106, 177, 235


 106, 177, 235

 82, 166, 235


 130, 188, 235

 59, 156, 235

 153, 198, 235

 35, 145, 235

 177, 209, 235

 12, 135, 235

 200, 219, 235

 0, 129, 235

 223, 230, 235

 247, 235, 237

 255, 235, 241

 255, 235, 246

 255, 235, 250

Harmonies

Analogous

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



155, 216, 231



106, 177, 235



70, 156, 251

Triad

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



106, 177, 235



217, 204, 255



255, 242, 148

Complementary

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



106, 177, 235



235, 106, 130

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, 188, 178



106, 177, 235



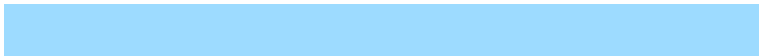
255, 191, 255

Square

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



106, 177, 235



157, 195, 255



255, 184, 217



177, 241, 135

Rectangle

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



106, 177, 235



80, 161, 255



255, 184, 217



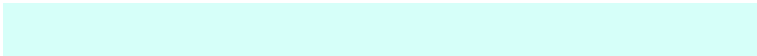
255, 216, 157

Sweetspot

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



106, 177, 235



214, 236, 255



106, 235, 211



103, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



106, 177, 235



87, 180, 255



106, 158, 235



106, 112, 117



0, 100, 181



0, 30, 54

Inverse Universe

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



235, 106, 130



255, 87, 118



235, 166, 106



117, 106, 108



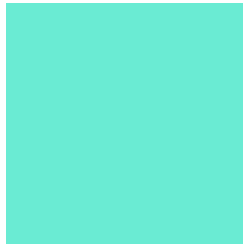
181, 0, 33



54, 0, 10

Previews

White Background



This preview shows how the RYB color 106, 177, 235 looks on a white background.

Color Contrast Check

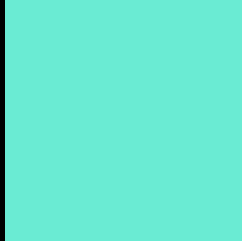
Large Text (above 18pt) WCAG AA × Fail

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 106, 177, 235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

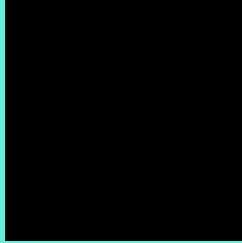
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

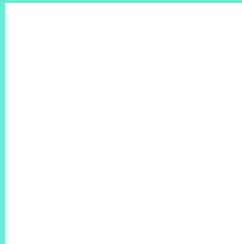
Any Text WCAG AAA ✓ Pass

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

RYB 106, 177, 235 Background



This preview shows how black text looks on a background with the RYB color 106, 177, 235.

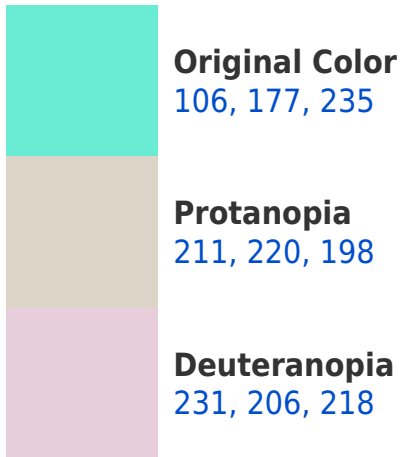


This preview shows how white text looks on a background with the RYB color 106, 177, 235.

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
119, 179, 248

Trichromacy



Original Color

106, 177, 235



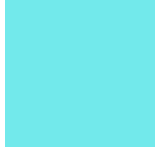
Protanomaly

179, 205, 220



Deuteranomaly

186, 202, 217



Tritanomaly

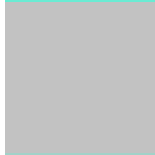
114, 174, 235

Monochromacy



Original Color

106, 177, 235



Achromatopsia

194, 194, 194



Achromatomaly

162, 188, 209

CSS Examples

Text

The CSS property to change the color of the text to RYB 106, 177, 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(106, 235, 211)` looks like.

```
.text, #text, p{  
    color:rgb(106, 235, 211)  
}
```

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(106, 235, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 235, 211) }
```

Border

The CSS property to change the border of an element to RYB 106, 177, 235 is called "border". The border property can be set on classes, ids or directly on the HTML element.

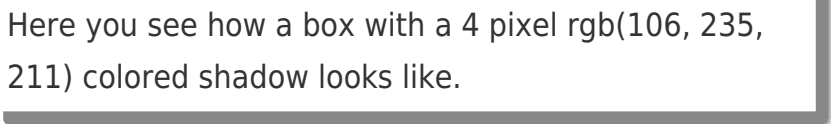
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 235, 211) }
```

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

```
.border{ border-color:rgb(106, 235, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(106, 235, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 235, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 235, 211);  
box-shadow:4px 4px 4px 4px rgb(106, 235,  
211) }
```

Background

The CSS property to change the background color of an element to RYB 106, 177, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 235, 211) }
```

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

```
.background{ background-color: rgb(106,  
235, 211) }
```

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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