

Converting Colors

`RYB(106, 180, 239)`

Have a look what the booklet for
RYB(106, 180, 239) contains.

RYB(106, 180, 239)	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

`RYB(106, 180, 239)`

Conversions

Conversions Part 1

Format	Color
Hex	6AEFD4
RGB	106, 239, 212
RGB Percent	42%, 94%, 83%
CMY	0.5843, 0.0627, 0.1685
CMYK	0.56, 0.00, 0.11, 0.06
HSL	168°, 81%, 68%
HSV	168°, 56%, 94%
XYZ	48.6991, 69.5527, 73.1725
YIQ	196.1550, -70.6010, -36.5930

Conversions

Conversions Part 2

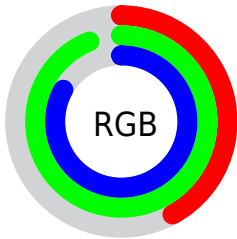
Format	Color
RYB	106, 180, 239
Decimal	7008212
CIELab	86.78, -42.91, 2.02
CIElCh	87, 42.956, 177.307
Yxy	69.5527, 0.2544, 0.3633
Android (android.graphics.Color)	4285198292 (0xFF6AEFD4)
YUV	196.1550, 7.8116, -79.0659
Hunter-Lab	83.3983, -41.7146, 6.3586

Details

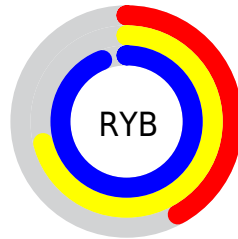
The RYB color **106, 180, 239** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **239, 106, 133**, and the grayscale version is **196, 196, 196**.

A 20% lighter version of the original color is **167, 211, 255**, and **32, 114, 182** is the 20% darker color. If you saturate the color by 10%, you get **82, 169, 239**, and if you desaturate by 10%, it is **130, 191, 239**.

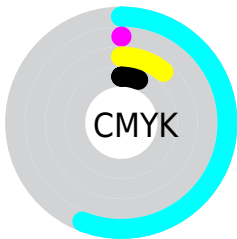
Distribution



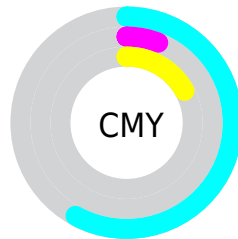
- Red (42%)
- Green (94%)
- Blue (83%)



- Red (42%)
- Yellow (71%)
- Blue (94%)



- Cyan (56%)
- Magenta (0%)
- Yellow (11%)
- Black (6%)



- Cyan (58%)
- Magenta (6%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the RYB color 106, 180, 239 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, 180, 239 by changing the saturation by 10% instead.


 106, 180, 239

 106, 180, 239

255, 255, 255

 73, 149, 210

 167, 211, 255

 32, 114, 182

 197, 226, 255

 0, 84, 155

 227, 241, 255

 0, 70, 128

 0, 57, 103

 0, 44, 78

 0, 32, 54

 0, 21, 32

 0, 0, 0

■ 106, 180, 239

■ 106, 180, 239

■ 82, 169, 239

■ 130, 191, 239

■ 58, 159, 239

■ 154, 201, 239

■ 34, 148, 239

■ 178, 212, 239

■ 10, 137, 239

■ 202, 223, 239

■ 0, 133, 239

■ 226, 233, 239

■ 249, 239, 241

■ 255, 239, 246

■ 255, 239, 251

■ 255, 239, 255

Harmonies

Analogous

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



158, 223, 235



106, 180, 239



62, 154, 253

Triad

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



106, 180, 239



217, 208, 255



255, 242, 150

Complementary

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



106, 180, 239



239, 106, 133

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, 190, 182



106, 180, 239



255, 194, 255

Square

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



106, 180, 239



153, 194, 255



255, 186, 223



184, 248, 135

Rectangle

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



106, 180, 239



69, 157, 255



255, 186, 223



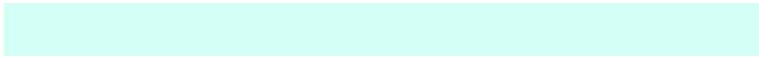
255, 217, 159

Sweetspot

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



106, 180, 239



212, 236, 255



106, 239, 210



102, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



106, 180, 239



84, 179, 255



106, 161, 239



108, 115, 120



0, 103, 184



0, 31, 56

Inverse Universe

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



239, 106, 133



255, 84, 119



239, 159, 106



120, 108, 110



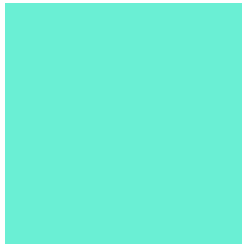
184, 0, 37



56, 0, 11

Previews

White Background



This preview shows how the RYB color 106, 180, 239 looks on a white background.

Color Contrast Check

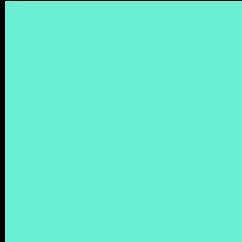
Large Text (above 18pt) WCAG AA × Fail

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, 180, 239 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, 180, 239 Background



This preview shows how black text looks on a background with the RYB color 106, 180, 239.

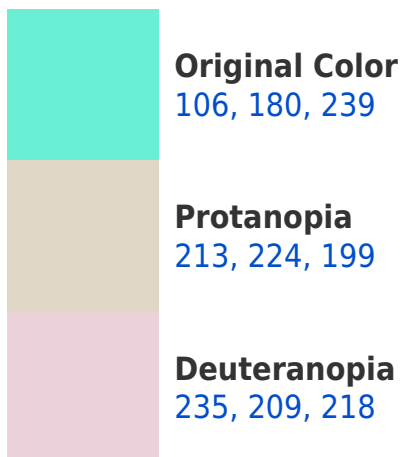


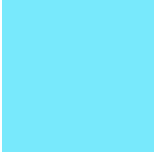
This preview shows how white text looks on a background with the RYB color 106, 180, 239.

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
120, 181, 252

Trichromacy



Original Color

106, 180, 239



Protanomaly

181, 209, 224



Deuteranomaly

188, 205, 220



Tritanomaly

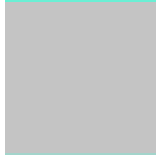
115, 175, 237

Monochromacy



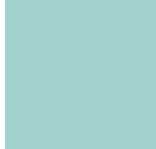
Original Color

106, 180, 239



Achromatopsia

196, 196, 196



Achromatomaly

163, 190, 212

CSS Examples

Text

The CSS property to change the color of the text to RYB 106, 180, 239 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, 239, 212)` looks like.

```
.text, #text, p{  
    color:rgb(106, 239, 212)  
}
```

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, 239, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 239, 212) }
```

Border

The CSS property to change the border of an element to RYB 106, 180, 239 is called "border". The border property can be set on classes, ids or directly on the HTML element.

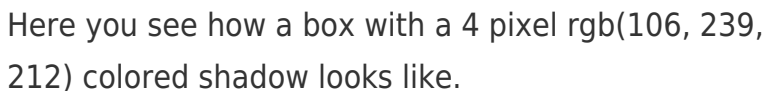
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 239, 212) }
```

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

```
.border{ border-color:rgb(106, 239, 212) }
```

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



Here you see how a box with a 4 pixel `rgb(106, 239, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 239, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 239, 212);  
box-shadow:4px 4px 4px 4px rgb(106, 239,  
212) }
```

Background

The CSS property to change the background color of an element to RYB 106, 180, 239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 239, 212) }
```

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

```
.background{ background-color: rgb(106,  
239, 212) }
```

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