

Converting Colors

`RYB(106, 166, 217)`

Have a look what the booklet for
RYB(106, 166, 217) contains.

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Color

R_YB(106, 166, 217)

Conversions

Conversions Part 1

Format	Color
Hex	6AD9C8
RGB	106, 217, 200
RGB Percent	42%, 85%, 78%
CMY	0.5843, 0.1490, 0.2143
CMYK	0.51, 0.00, 0.08, 0.15
HSL	171°, 59%, 63%
HSV	171°, 51%, 85%
XYZ	41.2230, 56.8764, 63.6639
YIQ	181.8730, -60.6990, -28.8190

Conversions

Conversions Part 2

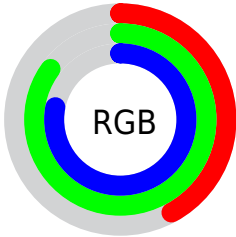
Format	Color
RYB	106, 166, 217
Decimal	7002568
CIELab	80.11, -35.79, -1.53
CIELCh	80, 35.825, 182.453
Yxy	56.8764, 0.2548, 0.3516
Android (android.graphics.Color)	4285192648 (0xFF6AD9C8)
YUV	181.8730, 8.9366, -66.5406
Hunter-Lab	75.4164, -34.4098, 2.7410

Details

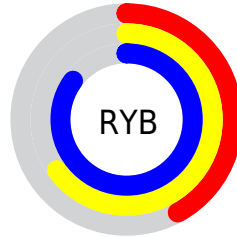
The RYB color **106, 166, 217** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **217, 106, 123**, and the grayscale version is **182, 182, 182**.

A 20% lighter version of the original color is **164, 210, 255**, and **41, 106, 162** is the 20% darker color. If you saturate the color by 10%, you get **84, 156, 217**, and if you desaturate by 10%, it is **128, 176, 217**.

Distribution



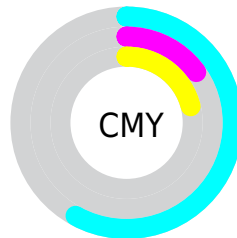
- Red (42%)
- Green (85%)
- Blue (78%)



- Red (42%)
- Yellow (65%)
- Blue (85%)



- Cyan (51%)
- Magenta (0%)
- Yellow (8%)
- Black (15%)



- Cyan (58%)
- Magenta (15%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the RYB color 106, 166, 217 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, 166, 217 by changing the saturation by 10% instead.

 106, 166, 217


255, 255, 255


 165, 210, 255


 194, 225, 255

 224, 240, 255

254, 255, 255

 106, 166, 217

 76, 137, 189

 41, 106, 162

 0, 71, 135

 0, 58, 109

 0, 45, 84

 0, 33, 60


 0, 22, 39


 0, 1, 4


 0, 0, 0

 106, 166, 217


 106, 166, 217


 84, 156, 217


 128, 176, 217

 63, 146, 217


 149, 186, 217

 41, 136, 217

 171, 196, 217

 19, 126, 217

 193, 206, 217

 0, 117, 217

 215, 216, 217

 236, 217, 220

 255, 217, 223

 255, 217, 226

 255, 217, 230

Harmonies

Analogous

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



144, 197, 214



106, 166, 217



86, 155, 233

Triad

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



106, 166, 217



207, 189, 255



247, 221, 140

Complementary

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



106, 166, 217



217, 106, 123

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, 179, 164



106, 166, 217



244, 178, 230

Square

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



106, 166, 217



158, 188, 255



255, 173, 197



161, 219, 132

Rectangle

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



106, 166, 217



97, 163, 251



255, 173, 197



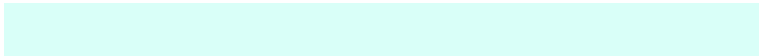
254, 199, 147

Sweetspot

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



106, 166, 217



217, 238, 255



106, 217, 200



105, 118, 128



0, 0, 0



128, 128, 128

Same Dimension

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



106, 166, 217



99, 183, 255



106, 150, 217



99, 105, 110



0, 94, 173



0, 25, 46

Inverse Universe

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



217, 106, 123



255, 99, 123



217, 166, 106



110, 99, 100



173, 0, 26



46, 0, 7

Previews

White Background



This preview shows how the RYB color 106, 166, 217 looks on a white background.

Color Contrast Check

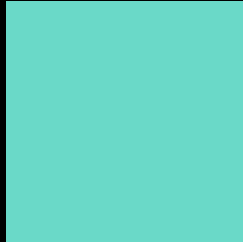
Large Text (above 18pt) WCAG AA × Fail

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, 166, 217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

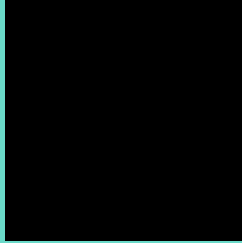
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

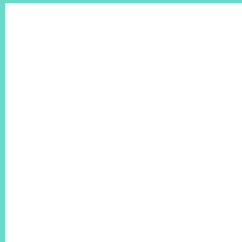
Any Text WCAG AAA ✓ Pass

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

RYB 106, 166, 217 Background



This preview shows how black text looks on a background with the RYB color 106, 166, 217.

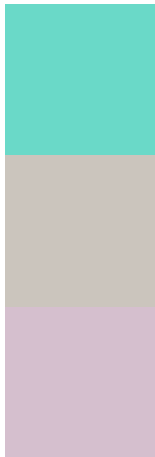


This preview shows how white text looks on a background with the RYB color 106, 166, 217.

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
106, 166, 217

Protanopia
200, 203, 189

Deuteranopia
213, 191, 206



Tritanopia
116, 168, 230

Trichromacy



Original Color

106, 166, 217



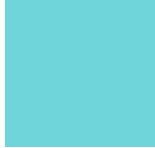
Protanomaly

168, 189, 204



Deuteranomaly

174, 188, 204



Tritanomaly

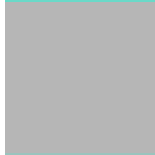
112, 164, 219

Monochromacy



Original Color

106, 166, 217



Achromatopsia

182, 182, 182



Achromatomaly

154, 176, 195

CSS Examples

Text

The CSS property to change the color of the text to RYB 106, 166, 217 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, 217, 200)` looks like.

```
.text, #text, p{  
    color:rgb(106, 217, 200)  
}
```

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, 217, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 217, 200) }
```

Border

The CSS property to change the border of an element to RYB 106, 166, 217 is called "border". The border property can be set on classes, ids or directly on the HTML element.

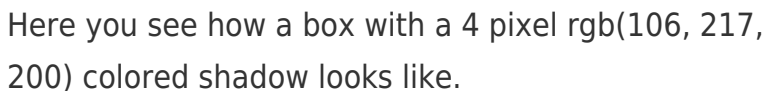
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 217, 200) }
```

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

```
.border{ border-color:rgb(106, 217, 200) }
```

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



Here you see how a box with a 4 pixel `rgb(106, 217, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 217, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 217, 200);  
box-shadow:4px 4px 4px 4px rgb(106, 217,  
200) }
```

Background

The CSS property to change the background color of an element to RYB 106, 166, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 217, 200) }
```

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

```
.background{ background-color: rgb(106,  
217, 200) }
```

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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