

Converting Colors

`RYB(106, 185, 212)`

Have a look what the booklet for
RYB(106, 185, 212) contains.

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Color

R_YB(106, 185, 212)

Conversions

Conversions Part 1

Format	Color
Hex	6AD48E
RGB	106, 212, 142
RGB Percent	42%, 83%, 56%
CMY	0.5843, 0.1686, 0.4422
CMYK	0.50, 0.00, 0.33, 0.17
HSL	141°, 55%, 62%
HSV	141°, 50%, 83%
XYZ	34.3870, 52.1110, 33.9270
YIQ	172.3260, -40.7060, -44.2420

Conversions

Conversions Part 2

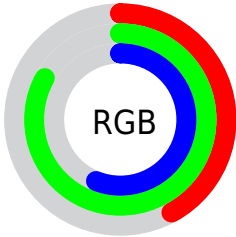
Format	Color
RYB	106, 185, 212
Decimal	7001230
CIELab	77.35, -46.08, 25.35
CIELCh	77, 52.595, 151.180
Yxy	52.1110, 0.2855, 0.4327
Android (android.graphics.Color)	4285191310 (0xFF6AD48E)
YUV	172.3260, -14.9507, -58.1679
Hunter-Lab	72.1879, -41.2998, 22.6663

Details

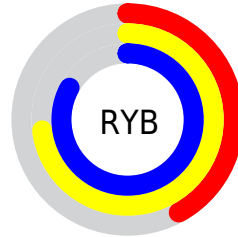
The RYB color **106, 185, 212** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **212, 106, 176**, and the grayscale version is **173, 173, 173**.

A 20% lighter version of the original color is **163, 231, 255**, and **45, 124, 157** is the 20% darker color. If you saturate the color by 10%, you get **85, 180, 212**, and if you desaturate by 10%, it is **127, 190, 212**.

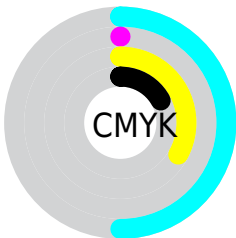
Distribution



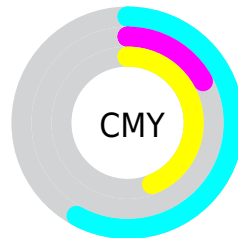
- Red (42%)
- Green (83%)
- Blue (56%)



- Red (42%)
- Yellow (73%)
- Blue (83%)



- Cyan (50%)
- Magenta (0%)
- Yellow (33%)
- Black (17%)




- Cyan (58%)
- Magenta (17%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the RYB color 106, 185, 212 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, 185, 212 by changing the saturation by 10% instead.


 106, 185, 212

 106, 185, 212

255, 255, 255

 77, 155, 184

 163, 231, 255

 45, 124, 157

 192, 234, 255

 0, 86, 130

 221, 239, 255

 0, 73, 104

 251, 253, 255


 0, 62, 79


 0, 55, 55

 0, 33, 33


 0, 0, 0

 106, 185, 212


 106, 185, 212

 85, 180, 212


 127, 190, 212

 64, 175, 212

 148, 196, 212

 42, 169, 212

 170, 202, 212

 21, 164, 212

 191, 207, 212

 0, 158, 212

 212, 212, 212

 233, 212, 226

 254, 212, 240

 255, 212, 254

 255, 212, 255

Harmonies

Analogous

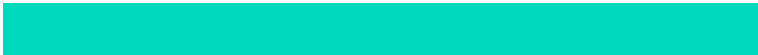
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



105, 203, 140



106, 185, 212



0, 115, 216

Triad

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



106, 185, 212



110, 164, 255



255, 158, 143

Complementary

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



106, 185, 212



212, 106, 176

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, 150, 191



106, 185, 212



197, 178, 255

Square

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



106, 185, 212



0, 115, 255



253, 160, 239



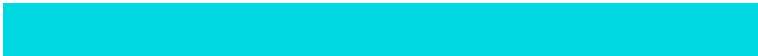
255, 221, 106

Rectangle

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



106, 185, 212



0, 110, 225



253, 160, 239



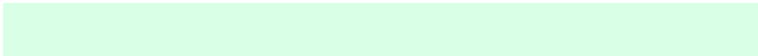
255, 152, 158

Sweetspot

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



106, 185, 212



217, 245, 255



106, 212, 141



105, 123, 128



0, 0, 0



128, 128, 128

Same Dimension

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



106, 185, 212



102, 216, 255



106, 164, 212



96, 104, 107



0, 128, 171



0, 32, 43

Inverse Universe

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



212, 106, 176



255, 102, 203



212, 106, 124



107, 96, 103



171, 0, 112



43, 0, 29

Previews

White Background



This preview shows how the RYB color 106, 185, 212 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, 185, 212 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, 185, 212 Background



This preview shows how black text looks on a background with the RYB color 106, 185, 212.

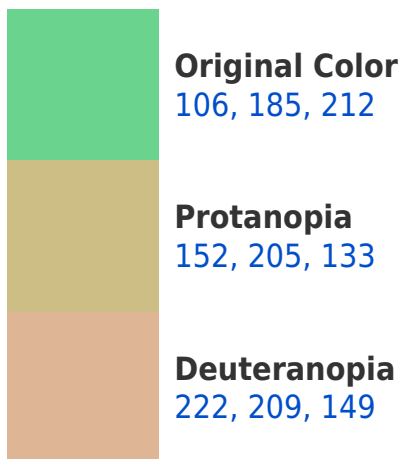


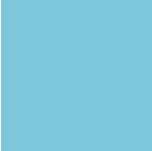
This preview shows how white text looks on a background with the RYB color 106, 185, 212.

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
125, 167, 219

Trichromacy



Original Color

106, 185, 212



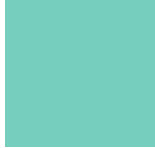
Protanomaly

136, 198, 165



Deuteranomaly

147, 193, 160



Tritanomaly

118, 166, 206

Monochromacy



Original Color

106, 185, 212



Achromatopsia

172, 172, 172



Achromatomaly

148, 177, 187

CSS Examples

Text

The CSS property to change the color of the text to RYB 106, 185, 212 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, 212, 142)` looks like.

```
.text, #text, p{  
    color:rgb(106, 212, 142)  
}
```

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, 212, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 212, 142) }
```

Border

The CSS property to change the border of an element to RYB 106, 185, 212 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, 212, 142) }
```

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

```
.border{ border-color:rgb(106, 212, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 212, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 212, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 212, 142);  
box-shadow:4px 4px 4px 4px rgb(106, 212,  
142) }
```

Background

The CSS property to change the background color of an element to RYB 106, 185, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 212, 142) }
```

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

```
.background{ background-color: rgb(106,  
212, 142) }
```

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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