

Converting Colors

`RYB(86, 147, 212)`

Have a look what the booklet for
RYB(86, 147, 212) contains.

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Color

$\text{RYB}(86, 147, 212)$

Conversions

Conversions Part 1

Format	Color
Hex	56CCD4
RGB	86, 204, 212
RGB Percent	34%, 80%, 83%
CMY	0.6627, 0.1990, 0.1686
CMYK	0.59, 0.04, 0.00, 0.17
HSL	184°, 59%, 58%
HSV	184°, 59%, 83%
XYZ	37.3728, 50.0347, 69.9753
YIQ	169.6300, -72.8960, -22.5280

Conversions

Conversions Part 2

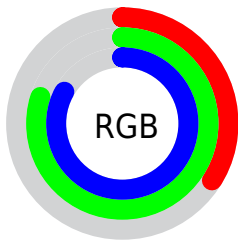
Format	Color
RYB	86, 147, 212
Decimal	5688532
CIELab	76.09, -30.64, -13.82
CIELCh	76, 33.609, 204.274
Yxy	50.0347, 0.2375, 0.3179
Android (android.graphics.Color)	4283878612 (0xFF56CCD4)
YUV	169.6300, 20.8884, -73.3435
Hunter-Lab	70.7352, -29.4765, -9.1383

Details

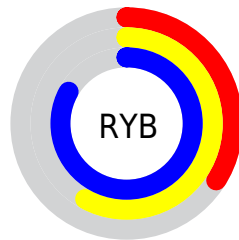
The RYB color **86, 147, 212** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **212, 95, 86**, and the grayscale version is **170, 170, 170**.

A 20% lighter version of the original color is **147, 201, 255**, and **0, 76, 157** is the 20% darker color. If you saturate the color by 10%, you get **65, 136, 212**, and if you desaturate by 10%, it is **107, 158, 212**.

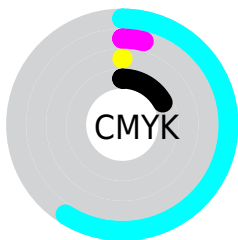
Distribution



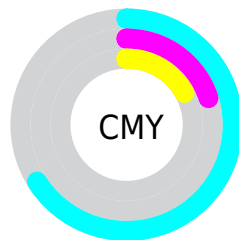
- Red (34%)
- Green (80%)
- Blue (83%)



- Red (34%)
- Yellow (58%)
- Blue (83%)



- Cyan (59%)
- Magenta (4%)
- Yellow (0%)
- Black (17%)



















- Cyan (66%)
- Magenta (20%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 86, 147, 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 86, 147, 212 by changing the saturation by 10% instead.

 86, 147, 212	 86, 147, 212
 255, 255, 255	 51, 116, 184
 147, 201, 255	 0, 77, 157
 177, 216, 255	 0, 63, 131
 207, 231, 255	 0, 51, 106
 238, 247, 255	 0, 39, 82
	 0, 27, 59
	 0, 17, 37
	 0, 1, 16
	 0, 0, 0

■ 86, 147, 212

■ 86, 147, 212

■ 65, 136, 212

■ 107, 158, 212

■ 44, 125, 212

■ 128, 169, 212

■ 22, 114, 212

■ 150, 180, 212

■ 1, 103, 212

■ 171, 191, 212

■ 0, 103, 212

■ 192, 202, 212

■ 213, 212, 212

■ 234, 213, 212

■ 255, 215, 212

■ 255, 216, 212

Harmonies

Analogous

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



111, 164, 204



86, 147, 212



96, 156, 237

Triad

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



86, 147, 212



222, 171, 224



174, 215, 126

Complementary

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



86, 147, 212



212, 95, 86

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.



238, 192, 138



86, 147, 212



244, 165, 195

Square

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



86, 147, 212



184, 182, 244



249, 166, 164



130, 193, 140

Rectangle

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



86, 147, 212



122, 168, 247



249, 166, 164



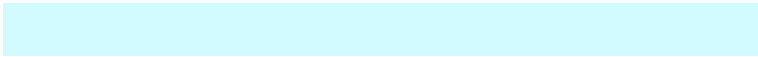
209, 224, 128

Sweetspot

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



86, 147, 212



209, 231, 255



86, 206, 212



99, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



86, 147, 212



74, 162, 255



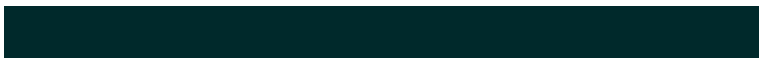
86, 125, 212



96, 101, 107



0, 83, 171



0, 21, 43

Inverse Universe

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



212, 86, 204



255, 74, 244



190, 212, 86



107, 96, 106



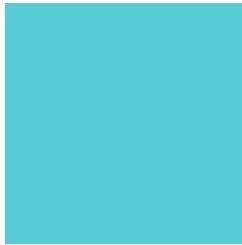
171, 0, 160



43, 0, 41

Previews

White Background



This preview shows how the RYB color 86, 147, 212 looks on a white background.

Color Contrast Check

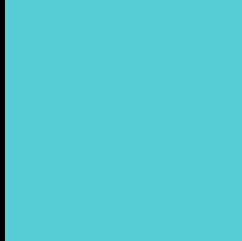
Large Text (above 18pt) WCAG AA × Fail

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 86, 147, 212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

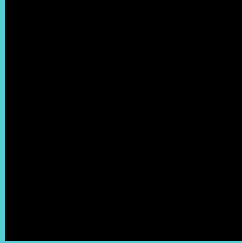
Any Text WCAG AA ✓ Pass

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 86, 147, 212 Background



This preview shows how black text looks on a background with the RYB color 86, 147, 212.

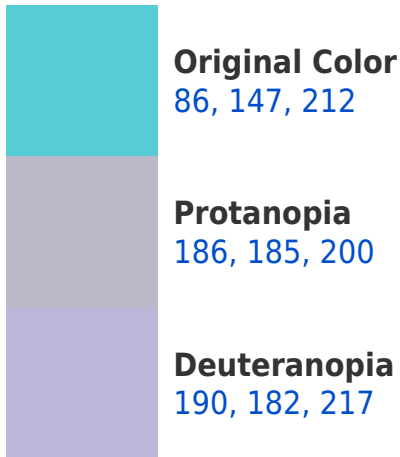


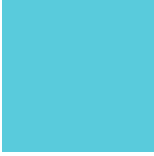
This preview shows how white text looks on a background with the RYB color 86, 147, 212.

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
89, 150, 220

Trichromacy



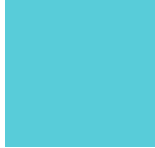
Original Color
86, 147, 212



Protanomaly
150, 174, 204



Deuteranomaly
152, 176, 215

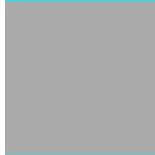


Tritanomaly
88, 149, 217

Monochromacy



Original Color
86, 147, 212



Achromatopsia
170, 170, 170



Achromatomaly
139, 161, 185

CSS Examples

Text

The CSS property to change the color of the text to RYB 86, 147, 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(86, 204, 212) looks like.

```
.text, #text, p{  
    color:rgb(86, 204, 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(86, 204, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 204, 212) }
```

Border

The CSS property to change the border of an element to RYB 86, 147, 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(86, 204, 212) }
```

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

```
.border{ border-color:rgb(86, 204, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 204, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 204, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 204, 212);  
box-shadow:4px 4px 4px 4px rgb(86, 204,  
212) }
```

Background

The CSS property to change the background color of an element to RGB 86, 147, 212 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 204, 212) }
```

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

```
.background{ background-color: rgb(86, 204,  
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](#).

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