

Converting Colors

`RYB(86, 145, 213)`

Have a look what the booklet for
RYB(86, 145, 213) contains.

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Color

$\text{RYB}(86, 145, 213)$

Conversions

Conversions Part 1

Format	Color
Hex	56C4D5
RGB	86, 196, 213
RGB Percent	34%, 77%, 84%
CMY	0.6627, 0.2306, 0.1647
CMYK	0.60, 0.08, 0.00, 0.16
HSL	188°, 60%, 59%
HSV	188°, 60%, 84%
XYZ	35.6311, 46.3487, 70.0190
YIQ	165.0480, -71.0170, -18.0330

Conversions

Conversions Part 2

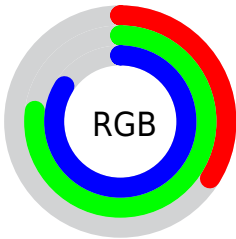
Format	Color
RYB	86, 145, 213
Decimal	5686485
CIELab	73.77, -26.42, -17.85
CIELCh	74, 31.887, 214.045
Yxy	46.3487, 0.2344, 0.3049
Android (android.graphics.Color)	4283876565 (0xFF56C4D5)
YUV	165.0480, 23.6403, -69.3251
Hunter-Lab	68.0799, -25.7179, -13.3229

Details

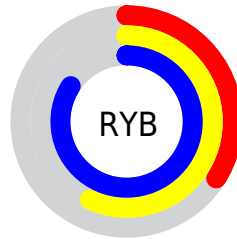
The RYB color **86, 145, 213** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **213, 106, 86**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **147, 200, 255**, and **0, 75, 158** is the 20% darker color. If you saturate the color by 10%, you get **65, 134, 213**, and if you desaturate by 10%, it is **107, 156, 213**.

Distribution



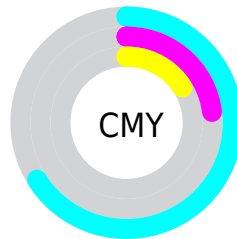
- Red (34%)
- Green (77%)
- Blue (84%)



- Red (34%)
- Yellow (57%)
- Blue (84%)



- Cyan (60%)
- Magenta (8%)
- Yellow (0%)
- Black (16%)



















- Cyan (66%)
- Magenta (23%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 86, 145, 213 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, 145, 213 by changing the saturation by 10% instead.

 86, 145, 213	 86, 145, 213
 255, 255, 255	 51, 114, 185
 147, 200, 255	 0, 75, 158
 177, 216, 255	 0, 62, 132
 207, 231, 255	 0, 49, 107
 237, 246, 255	 0, 37, 83
	 0, 26, 60
	 0, 14, 38
	 0, 1, 16
	 0, 0, 0

■ 86, 145, 213

■ 86, 145, 213

■ 65, 134, 213

■ 107, 156, 213

■ 43, 122, 213

■ 129, 168, 213

■ 22, 111, 213

■ 150, 179, 213

■ 1, 100, 213

■ 171, 190, 213

■ 0, 99, 213

■ 193, 202, 213

■ 214, 213, 213

■ 235, 216, 213

■ 255, 220, 213

■ 255, 224, 213

Harmonies

Analogous

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



100, 152, 197



86, 145, 213



107, 157, 233

Triad

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



86, 145, 213



222, 163, 207



145, 198, 123

Complementary

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



86, 145, 213



213, 106, 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.



223, 205, 129



86, 145, 213



238, 159, 178

Square

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



86, 145, 213



191, 172, 230



238, 164, 150



132, 189, 155

Rectangle

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



86, 145, 213



134, 169, 239



238, 164, 150



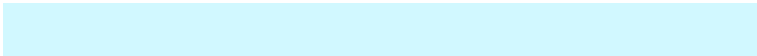
170, 207, 123

Sweetspot

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



86, 145, 213



209, 230, 255



86, 200, 213



99, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



86, 145, 213



71, 157, 255



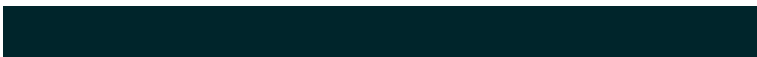
86, 121, 213



96, 101, 107



0, 79, 171



0, 20, 43

Inverse Universe

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



213, 86, 196



255, 71, 231



166, 213, 86



107, 96, 106



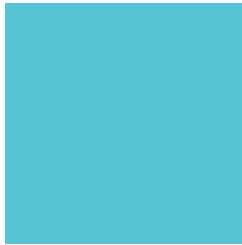
171, 0, 148



43, 0, 38

Previews

White Background



This preview shows how the RYB color 86, 145, 213 looks on a white background.

Color Contrast Check

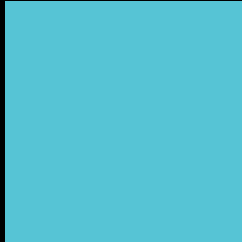
Large Text (above 18pt) WCAG AA × Fail

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, 145, 213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

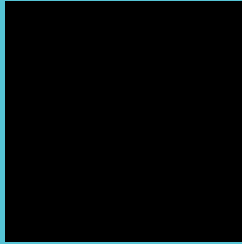
Any Text WCAG AA ✓ Pass

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, 145, 213 Background



This preview shows how black text looks on a background with the RYB color 86, 145, 213.

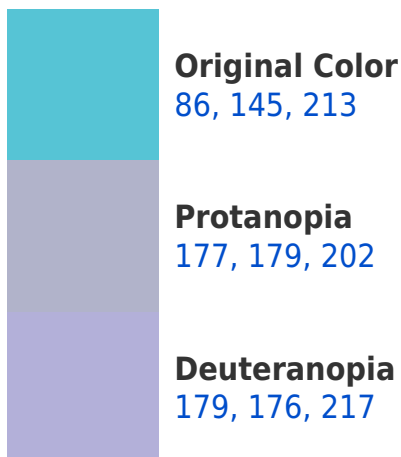


This preview shows how white text looks on a background with the RYB color 86, 145, 213.

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
86, 145, 212

Trichromacy



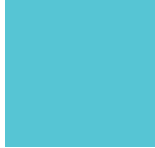
Original Color
86, 145, 213



Protanomaly
144, 169, 206



Deuteranomaly
145, 170, 216



Tritanomaly
86, 145, 212

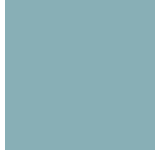
Monochromacy



Original Color
86, 145, 213



Achromatopsia
165, 165, 165



Achromatomaly
136, 157, 182

CSS Examples

Text

The CSS property to change the color of the text to RYB 86, 145, 213 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, 196, 213)` looks like.

```
.text, #text, p{  
    color:rgb(86, 196, 213)  
}
```

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, 196, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 196, 213) }
```

Border

The CSS property to change the border of an element to RYB 86, 145, 213 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, 196, 213) }
```

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

```
.border{ border-color:rgb(86, 196, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 196, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 196, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 196, 213);  
box-shadow:4px 4px 4px 4px rgb(86, 196,  
213) }
```

Background

The CSS property to change the background color of an element to RGB 86, 196, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 196, 213) }
```

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

```
.background{ background-color: rgb(86, 196,  
213) }
```

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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