

Converting Colors

RGB(86, 176, 216)

Have a look what the booklet for
RGB(86, 176, 216) contains.

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Color

RGB(86, 176, 216)

Conversions

Conversions Part 1

Format	Color
Hex	56B0D8
RGB	86, 176, 216
RGB Percent	34%, 69%, 85%
CMY	0.6627, 0.3098, 0.1529
CMYK	0.60, 0.19, 0.00, 0.15
HSL	198°, 62%, 59%
HSV	198°, 60%, 85%
XYZ	31.7578, 37.9870, 70.6242
YIQ	153.6500, -66.4800, -6.6400

Conversions

Conversions Part 2

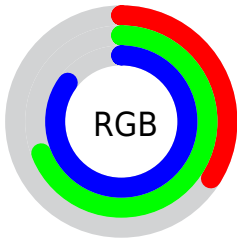
Format	Color
R _Y B	86, 139, 216
Decimal	5681368
CIE Lab	68.01, -15.16, -28.28
CIE LCh	68, 32.087, 241.803
Yxy	37.9870, 0.2262, 0.2706
Android (android.graphics.Color)	4283871448 (0xFF56B0D8)
YUV	153.6500, 30.7385, -59.3291
Hunter-Lab	61.6336, -15.8836, -24.7952

Details

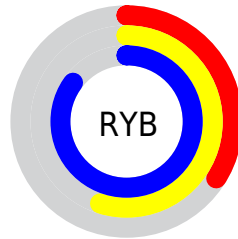
The RGB color **86, 176, 216** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **216, 126, 86**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **146, 232, 255**, and **0, 123, 161** is the 20% darker color. If you saturate the color by 10%, you get **64, 169, 216**, and if you desaturate by 10%, it is **108, 183, 216**.

Distribution



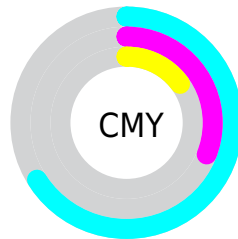
- Red (34%)
- Green (69%)
- Blue (85%)



- Red (34%)
- Yellow (55%)
- Blue (85%)



- Cyan (60%)
- Magenta (19%)
- Yellow (0%)
- Black (15%)



















- Cyan (66%)
- Magenta (31%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RGB color 86, 176, 216 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 RGB color 86, 176, 216 by changing the saturation by 10% instead.

 86, 176, 216	 86, 176, 216
 255, 255, 255	 52, 149, 188
 146, 232, 255	 0, 123, 161
 175, 255, 255	 0, 99, 135
 205, 255, 255	 0, 75, 109
 235, 255, 255	 0, 52, 85
	 0, 31, 61
	 0, 3, 39
	 0, 1, 17
	 0, 0, 0

■ 86, 176, 216

■ 86, 176, 216

■ 64, 169, 216

■ 108, 183, 216

■ 43, 163, 216

■ 129, 189, 216

■ 21, 156, 216

■ 151, 196, 216

■ 0, 150, 216

■ 172, 203, 216

■ 194, 209, 216

■ 216, 216, 216

■ 237, 223, 216

■ 255, 229, 216

■ 255, 236, 216

Harmonies

Analogous

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



66, 181, 195



86, 176, 216



129, 168, 223

Triad

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



86, 176, 216



221, 144, 165



153, 173, 116

Complementary

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



86, 176, 216



216, 126, 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.



184, 165, 108



86, 176, 216



222, 146, 137

Square

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



86, 176, 216



204, 148, 194



208, 155, 116



119, 179, 137

Rectangle

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



86, 176, 216



158, 161, 219



208, 155, 116



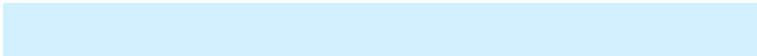
164, 171, 111

Sweetspot

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



86, 176, 216



209, 241, 255



86, 216, 125



99, 119, 128



0, 0, 0



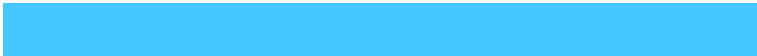
128, 128, 128

Same Dimension

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



86, 176, 216



71, 199, 255



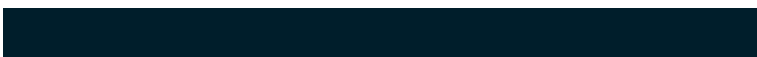
86, 112, 216



96, 104, 107



0, 118, 171



0, 30, 43

Inverse Universe

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



216, 86, 176



255, 71, 199



216, 190, 86



107, 96, 104



171, 0, 118



43, 0, 30

Previews

White Background



This preview shows how the RGB color 86, 176, 216 looks on a white background.

Color Contrast Check

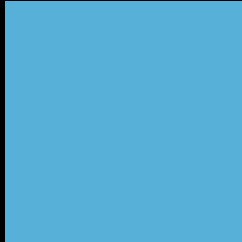
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 86, 176, 216 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](#).

RGB 86, 176, 216 Background



This preview shows how black text looks on a background with the RGB color 86, 176, 216.

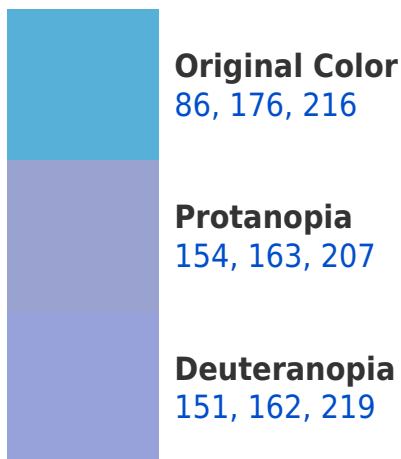


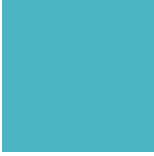
This preview shows how white text looks on a background with the RGB color 86, 176, 216.

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



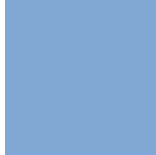


Tritanopia
76, 180, 194

Trichromacy



Original Color
86, 176, 216



Protanomaly
129, 168, 210



Deuteranomaly
127, 167, 218



Tritanomaly
80, 179, 202

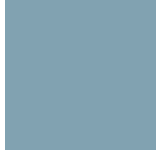
Monochromacy



Original Color
86, 176, 216



Achromatopsia
154, 154, 154



Achromatomaly
129, 162, 177

CSS Examples

Text

The CSS property to change the color of the text to RGB 86, 176, 216 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, 176, 216)` looks like.

```
.text, #text, p{  
    color:rgb(86, 176, 216)  
}
```

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, 176, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 176, 216) }
```

Border

The CSS property to change the border of an element to RGB 86, 176, 216 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, 176, 216) }
```

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

```
.border{ border-color:rgb(86, 176, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 176, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 176, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 176, 216);  
box-shadow:4px 4px 4px 4px rgb(86, 176,  
216) }
```

Background

The CSS property to change the background color of an element to RGB 86, 176, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 176, 216) }
```

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

```
.background{ background-color: rgb(86, 176,  
216) }
```

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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