

Converting Colors

RGB(86, 196, 233)

Have a look what the booklet for
RGB(86, 196, 233) contains.

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Color

RGB(86, 196, 233)

Conversions

Conversions Part 1

Format	Color
Hex	56C4E9
RGB	86, 196, 233
RGB Percent	34%, 77%, 91%
CMY	0.6627, 0.2314, 0.0863
CMYK	0.63, 0.16, 0.00, 0.09
HSL	195°, 77%, 63%
HSV	195°, 63%, 91%
XYZ	38.2857, 47.3415, 84.2107
YIQ	167.3280, -77.4370, -11.8130

Conversions

Conversions Part 2

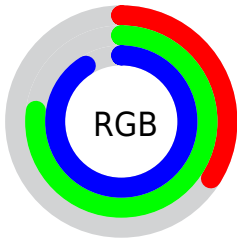
Format	Color
R_{YB}	86, 149, 233
Decimal	5686505
CIE _{Lab}	74.41, -20.43, -27.71
CIE _{LCh}	74, 34.422, 233.604
Yxy	47.3415, 0.2254, 0.2787
Android (android.graphics.Color)	4283876585 (0xFF56C4E9)
YUV	167.3280, 32.3763, -71.3247
Hunter-Lab	68.8051, -21.0852, -24.4015

Details

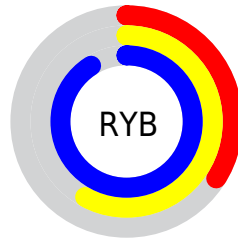
The RGB color **86, 196, 233** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **233, 123, 86**, and the grayscale version is **167, 167, 167**.

A 20% lighter version of the original color is **149, 253, 255**, and **0, 142, 177** is the 20% darker color. If you saturate the color by 10%, you get **63, 190, 233**, and if you desaturate by 10%, it is **109, 202, 233**.

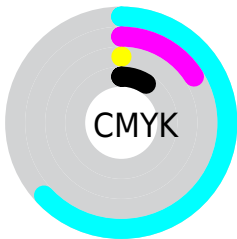
Distribution



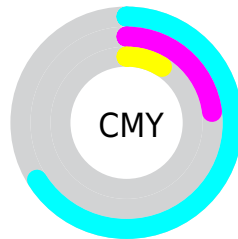
- Red (34%)
- Green (77%)
- Blue (91%)



- Red (34%)
- Yellow (58%)
- Blue (91%)



- Cyan (63%)
- Magenta (16%)
- Yellow (0%)
- Black (9%)



















- Cyan (66%)
- Magenta (23%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RGB color 86, 196, 233 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, 196, 233 by changing the saturation by 10% instead.

 86, 196, 233	 86, 196, 233
 255, 255, 255	 49, 169, 205
 149, 253, 255	 0, 142, 177
 179, 255, 255	 0, 116, 150
 209, 255, 255	 0, 92, 124
 240, 255, 255	 0, 68, 99
	 0, 45, 75
	 0, 26, 52
	 0, 2, 31
	 0, 0, 2

■ 86, 196, 233

■ 86, 196, 233

■ 63, 190, 233

■ 109, 202, 233

■ 39, 184, 233

■ 133, 208, 233

■ 16, 178, 233

■ 156, 214, 233

■ 0, 174, 233

■ 179, 219, 233

■ 203, 225, 233

■ 226, 231, 233

■ 249, 237, 233

■ 255, 243, 233

■ 255, 249, 233

Harmonies

Analogous

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



76, 200, 207



86, 196, 233



130, 188, 245

Triad

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



86, 196, 233



240, 160, 191



179, 189, 124

Complementary

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



86, 196, 233



233, 123, 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.



211, 179, 120



86, 196, 233



246, 160, 159

Square

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



86, 196, 233



217, 166, 221



235, 168, 133



142, 196, 145

Rectangle

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



86, 196, 233



162, 181, 244



235, 168, 133



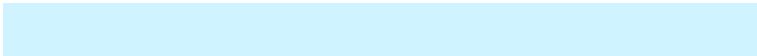
190, 186, 121

Sweetspot

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



86, 196, 233



207, 243, 255



86, 233, 123



98, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



86, 196, 233



61, 206, 255



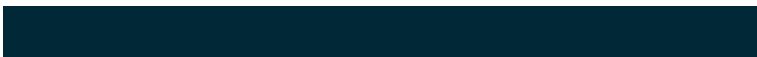
86, 123, 233



106, 114, 117



0, 135, 181



0, 40, 54

Inverse Universe

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



233, 86, 196



255, 61, 206



233, 196, 86



117, 106, 114



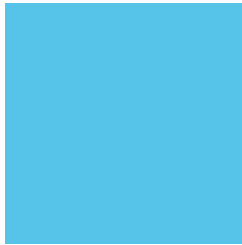
181, 0, 135



54, 0, 40

Previews

White Background



This preview shows how the RGB color 86, 196, 233 looks on a white background.

Color Contrast Check

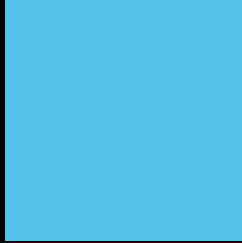
Large Text (above 18pt) WCAG AA × Fail

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, 196, 233 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, 196, 233 Background



This preview shows how black text looks on a background with the RGB color 86, 196, 233.

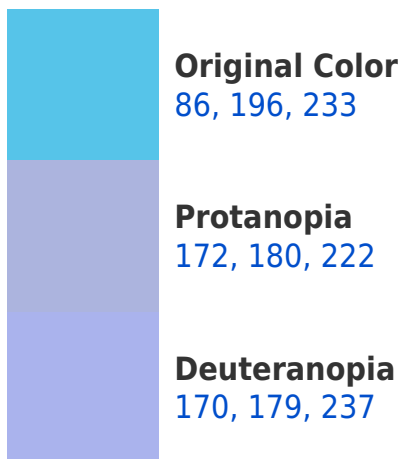


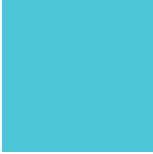
This preview shows how white text looks on a background with the RGB color 86, 196, 233.

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



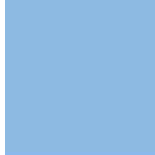


Tritanopia
77, 199, 215

Trichromacy



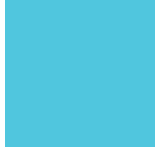
Original Color
86, 196, 233



Protanomaly
141, 186, 226



Deuteranomaly
139, 185, 236



Tritanomaly
80, 198, 222

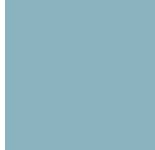
Monochromacy



Original Color
86, 196, 233



Achromatopsia
167, 167, 167



Achromatomaly
138, 178, 191

CSS Examples

Text

The CSS property to change the color of the text to RGB 86, 196, 233 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, 233) looks like.

```
.text, #text, p{  
    color:rgb(86, 196, 233)  
}
```

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, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 196, 233) }
```

Border

The CSS property to change the border of an element to RGB 86, 196, 233 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, 233) }
```

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

```
.border{ border-color:rgb(86, 196, 233) }
```

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, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 196, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 196, 233);  
box-shadow:4px 4px 4px 4px rgb(86, 196,  
233) }
```

Background

The CSS property to change the background color of an element to RGB 86, 196, 233 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, 233) }
```

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

```
.background{ background-color: rgb(86, 196,  
233) }
```

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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