

Converting Colors

RGB(86, 233, 246)

Have a look what the booklet for
RGB(86, 233, 246) contains.

RGB(86, 233, 246)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RGB(86, 233, 246)

Conversions

Conversions Part 1

Format	Color
Hex	56E9F6
RGB	86, 233, 246
RGB Percent	34%, 91%, 96%
CMY	0.6627, 0.0863, 0.0353
CMYK	0.65, 0.05, 0.00, 0.04
HSL	185°, 90%, 65%
HSV	185°, 65%, 96%
XYZ	49.6112, 66.9101, 97.4889
YIQ	190.5290, -91.7850, -27.1210

Conversions

Conversions Part 2

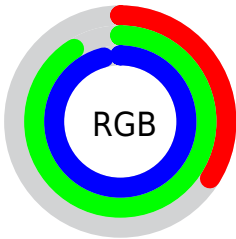
Format	Color
R_{YB}	86, 163, 246
Decimal	5695990
CIE _{Lab}	85.46, -34.74, -17.84
CIE _{LCh}	85, 39.054, 207.176
Yxy	66.9101, 0.2318, 0.3126
Android (android.graphics.Color)	4283886070 (0xFF56E9F6)
YUV	190.5290, 27.3472, -91.6719
Hunter-Lab	81.7986, -34.8864, -13.4038

Details

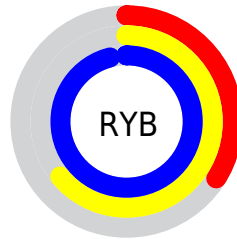
The RGB color **86, 233, 246** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **246, 99, 86**, and the grayscale version is **190, 190, 190**.

A 20% lighter version of the original color is **153, 255, 255**, and **0, 177, 190** is the 20% darker color. If you saturate the color by 10%, you get **61, 231, 246**, and if you desaturate by 10%, it is **111, 235, 246**.

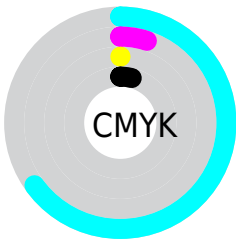
Distribution



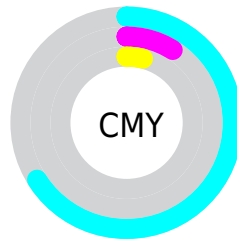
- Red (34%)
- Green (91%)
- Blue (96%)



- Red (34%)
- Yellow (64%)
- Blue (96%)



- Cyan (65%)
- Magenta (5%)
- Yellow (0%)
- Black (4%)



















- Cyan (66%)
- Magenta (9%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RGB color 86, 233, 246 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, 233, 246 by changing the saturation by 10% instead.

 86, 233, 246	 86, 233, 246
 255, 255, 255	 43, 205, 218
 153, 255, 255	 0, 177, 190
 184, 255, 255	 0, 150, 163
 215, 255, 255	 0, 124, 136
 246, 255, 255	 0, 98, 111
	 0, 74, 87
	 0, 50, 63
	 0, 29, 41
	 0, 1, 21

86, 233, 246

86, 233, 246

61, 231, 246

111, 235, 246

37, 229, 246

135, 237, 246

12, 227, 246

160, 239, 246

0, 226, 246

184, 241, 246

209, 243, 246

234, 245, 246

255, 247, 246

255, 249, 246

255, 251, 246

Harmonies

Analogous

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



117, 233, 209



86, 233, 246



104, 228, 255

Triad

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



86, 233, 246



255, 193, 254



242, 210, 140

Complementary

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



86, 233, 246



246, 99, 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.



255, 197, 153



86, 233, 246



255, 186, 219

Square

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



86, 233, 246



214, 205, 255



255, 188, 182



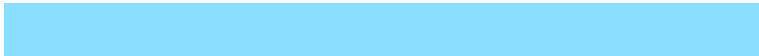
204, 222, 147

Rectangle

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



86, 233, 246



139, 222, 255



255, 188, 182



253, 206, 142

Sweetspot

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



86, 233, 246



204, 251, 255



86, 246, 97



97, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

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



86, 233, 246



56, 239, 255



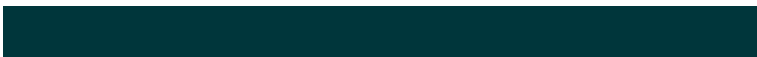
86, 155, 246



110, 121, 122



0, 171, 186



0, 54, 59

Inverse Universe

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



246, 86, 233



255, 56, 239



246, 177, 86



122, 110, 121



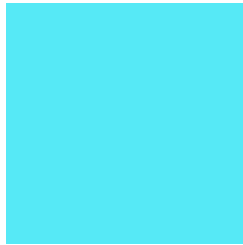
186, 0, 171



59, 0, 54

Previews

White Background



This preview shows how the RGB color 86, 233, 246 looks on a white background.

Color Contrast Check

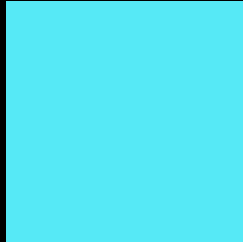
Large Text (above 18pt) WCAG AA × Fail

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, 233, 246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

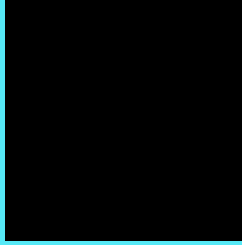
Any Text WCAG AA ✓ Pass

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, 233, 246 Background



This preview shows how black text looks on a background with the RGB color 86, 233, 246.

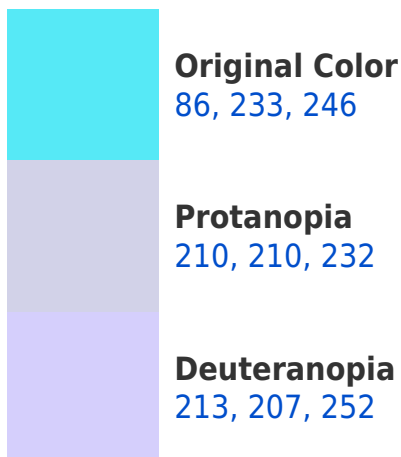


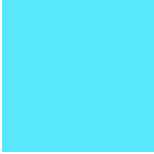
This preview shows how white text looks on a background with the RGB color 86, 233, 246.

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



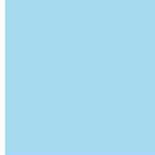


Tritanopia
89, 232, 251

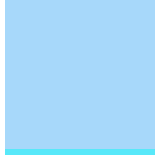
Trichromacy



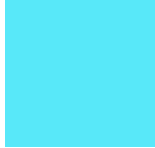
Original Color
86, 233, 246



Protanomaly
165, 218, 237



Deuteranomaly
167, 216, 250

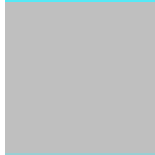


Tritanomaly
88, 232, 249

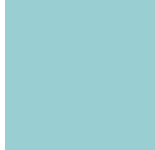
Monochromacy



Original Color
86, 233, 246



Achromatopsia
191, 191, 191



Achromatomaly
153, 206, 211

CSS Examples

Text

The CSS property to change the color of the text to RGB 86, 233, 246 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, 233, 246) looks like.

```
.text, #text, p{  
    color:rgb(86, 233, 246)  
}
```

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, 233, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 233, 246) }
```

Border

The CSS property to change the border of an element to RGB 86, 233, 246 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, 233, 246) }
```

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

```
.border{ border-color:rgb(86, 233, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 233, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 233, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 233, 246);  
box-shadow:4px 4px 4px 4px rgb(86, 233,  
246) }
```

Background

The CSS property to change the background color of an element to RGB 86, 233, 246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 233, 246) }
```

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

```
.background{ background-color: rgb(86, 233,  
246) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor