

Converting Colors

RGB(85, 186, 221)

Have a look what the booklet for
RGB(85, 186, 221) contains.

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Color

RGB(85, 186, 221)

Conversions

Conversions Part 1

Format	Color
Hex	55BADD
RGB	85, 186, 221
RGB Percent	33%, 73%, 87%
CMY	0.6667, 0.2706, 0.1333
CMYK	0.62, 0.16, 0.00, 0.13
HSL	195°, 67%, 60%
HSV	195°, 62%, 87%
XYZ	34.3564, 42.2696, 74.7547
YIQ	159.7910, -71.4310, -10.5270

Conversions

Conversions Part 2

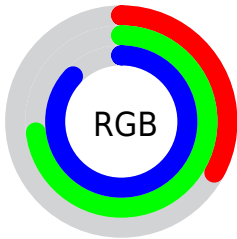
Format	Color
RYB	85, 143, 221
Decimal	5618397
CIELab	71.06, -19.07, -26.34
CIELCh	71, 32.519, 234.094
Yxy	42.2696, 0.2270, 0.2792
Android (android.graphics.Color)	4283808477 (0xFF55BADD)
YUV	159.7910, 30.1760, -65.5917
Hunter-Lab	65.0150, -19.4503, -22.6615

Details

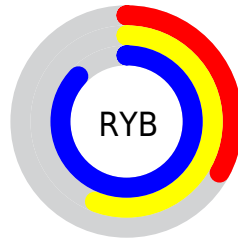
The RGB color **85, 186, 221** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **221, 120, 85**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **146, 242, 255**, and **0, 133, 166** is the 20% darker color. If you saturate the color by 10%, you get **63, 180, 221**, and if you desaturate by 10%, it is **107, 192, 221**.

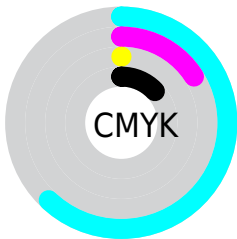
Distribution



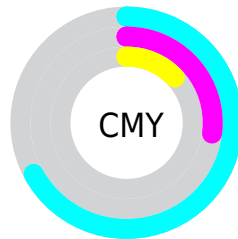
- Red (33%)
- Green (73%)
- Blue (87%)



- Red (33%)
- Yellow (56%)
- Blue (87%)



- Cyan (62%)
- Magenta (16%)
- Yellow (0%)
- Black (13%)



















- Cyan (67%)
- Magenta (27%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RGB color 85, 186, 221 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 85, 186, 221 by changing the saturation by 10% instead.

 85, 186, 221	 85, 186, 221
 255, 255, 255	 50, 159, 193
 146, 242, 255	 0, 133, 166
 176, 255, 255	 0, 107, 139
 206, 255, 255	 0, 83, 114
 236, 255, 255	 0, 60, 89
	 0, 38, 66
	 0, 10, 44
	 0, 1, 22
	 0, 0, 0

■ 85, 186, 221

■ 85, 186, 221

■ 63, 180, 221

■ 107, 192, 221

■ 41, 175, 221

■ 129, 197, 221

■ 19, 169, 221

■ 151, 203, 221

■ 0, 164, 221

■ 173, 209, 221

■ 195, 214, 221

■ 218, 220, 221

■ 240, 226, 221

■ 255, 232, 221

■ 255, 237, 221

Harmonies

Analogous

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



75, 190, 197



85, 186, 221



125, 179, 232

Triad

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



85, 186, 221



228, 152, 181



170, 179, 119

Complementary

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



85, 186, 221



221, 120, 85

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.



200, 170, 115



85, 186, 221



233, 153, 151

Square

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



85, 186, 221



206, 158, 209



222, 160, 127



135, 186, 138

Rectangle

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



85, 186, 221



155, 172, 231



222, 160, 127



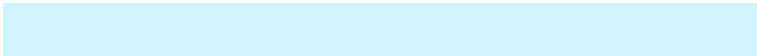
180, 177, 116

Sweetspot

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



85, 186, 221



209, 243, 255



85, 221, 119



99, 120, 128



0, 0, 0



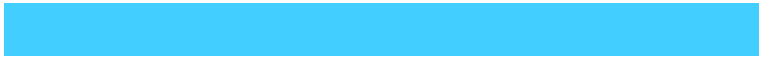
128, 128, 128

Same Dimension

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



85, 186, 221



66, 206, 255



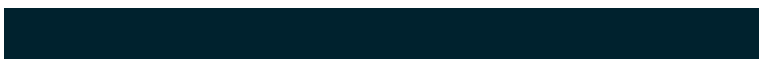
85, 119, 221



99, 107, 110



0, 129, 173



0, 34, 46

Inverse Universe

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



221, 85, 186



255, 66, 206



221, 187, 85



110, 99, 107



173, 0, 129



46, 0, 34

Previews

White Background



This preview shows how the RGB color 85, 186, 221 looks on a white background.

Color Contrast Check

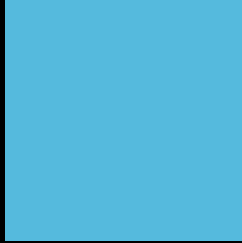
Large Text (above 18pt) WCAG AA × Fail

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 85, 186, 221 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 85, 186, 221 Background



This preview shows how black text looks on a background with the RGB color 85, 186, 221.

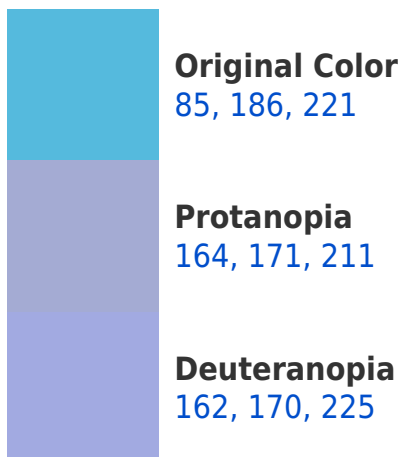


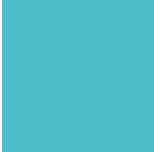
This preview shows how white text looks on a background with the RGB color 85, 186, 221.

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, 189, 204

Trichromacy



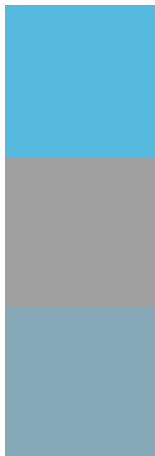
Original Color
85, 186, 221

Protanomaly
135, 176, 215

Deuteranomaly
134, 176, 224

Tritanomaly
80, 188, 210

Monochromacy



Original Color
85, 186, 221

Achromatopsia
160, 160, 160

Achromatomaly
133, 169, 182

CSS Examples

Text

The CSS property to change the color of the text to RGB 85, 186, 221 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(85, 186, 221)` looks like.

```
.text, #text, p{  
    color:rgb(85, 186, 221)  
}
```

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(85, 186, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 186, 221) }
```

Border

The CSS property to change the border of an element to RGB 85, 186, 221 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(85, 186, 221) }
```

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

```
.border{ border-color:rgb(85, 186, 221) }
```

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

Here you see how a box with a 4 pixel rgb(85, 186, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 186, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 186, 221);  
box-shadow:4px 4px 4px 4px rgb(85, 186,  
221) }
```

Background

The CSS property to change the background color of an element to RGB 85, 186, 221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 186, 221) }
```

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

```
.background{ background-color: rgb(85, 186,  
221) }
```

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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