

Converting Colors

RGB(87, 180, 225)

Have a look what the booklet for
RGB(87, 180, 225) contains.

RGB(87, 180, 225)	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(87, 180, 225)

Conversions

Conversions Part 1

Format	Color
Hex	57B4E1
RGB	87, 180, 225
RGB Percent	34%, 71%, 88%
CMY	0.6588, 0.2941, 0.1176
CMYK	0.61, 0.20, 0.00, 0.12
HSL	200°, 70%, 61%
HSV	200°, 61%, 88%
XYZ	33.8423, 40.1050, 77.1915
YIQ	157.3230, -69.8730, -5.7210

Conversions

Conversions Part 2

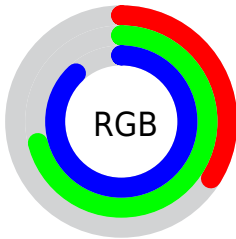
Format	Color
RYB	87, 143, 225
Decimal	5747937
CIELab	69.54, -14.34, -30.84
CIELCh	70, 34.013, 245.067
Yxy	40.1050, 0.2239, 0.2654
Android (android.graphics.Color)	4283938017 (0xFF57B4E1)
YUV	157.3230, 33.3648, -61.6733
Hunter-Lab	63.3285, -15.4356, -27.9390

Details

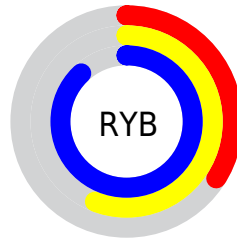
The RGB color **87, 180, 225** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **225, 132, 87**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **148, 236, 255**, and **0, 127, 170** is the 20% darker color. If you saturate the color by 10%, you get **65, 173, 225**, and if you desaturate by 10%, it is **110, 187, 225**.

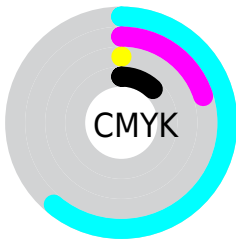
Distribution



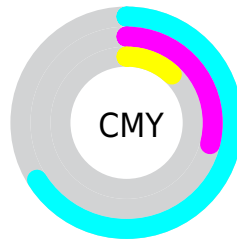
- Red (34%)
- Green (71%)
- Blue (88%)



- Red (34%)
- Yellow (56%)
- Blue (88%)



- Cyan (61%)
- Magenta (20%)
- Yellow (0%)
- Black (12%)



















- Cyan (66%)
- Magenta (29%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RGB color 87, 180, 225 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 87, 180, 225 by changing the saturation by 10% instead.

 87, 180, 225	 87, 180, 225
 255, 255, 255	 52, 153, 197
 148, 236, 255	 0, 127, 170
 178, 255, 255	 0, 102, 143
 208, 255, 255	 0, 78, 117
 238, 255, 255	 0, 55, 92
	 0, 34, 68
	 0, 4, 46
	 0, 1, 25
	 0, 0, 0

■ 87, 180, 225

■ 87, 180, 225

■ 65, 173, 225

■ 110, 187, 225

■ 42, 165, 225

■ 132, 195, 225

■ 20, 158, 225

■ 155, 202, 225

■ 0, 152, 225

■ 177, 209, 225

■ 200, 217, 225

■ 222, 224, 225

■ 244, 231, 225

■ 255, 239, 225

■ 255, 246, 225

Harmonies

Analogous

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



59, 185, 204



87, 180, 225



136, 171, 231

Triad

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



87, 180, 225



229, 146, 166



153, 179, 118

Complementary

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



87, 180, 225



225, 132, 87

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.



186, 170, 108



87, 180, 225



228, 150, 136

Square

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



87, 180, 225



213, 150, 196



212, 159, 115



116, 184, 143

Rectangle

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



87, 180, 225



167, 164, 226



212, 159, 115



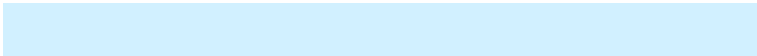
164, 176, 113

Sweetspot

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



87, 180, 225



209, 240, 255



87, 225, 131



99, 118, 128



0, 0, 0



128, 128, 128

Same Dimension

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



87, 180, 225



66, 193, 255



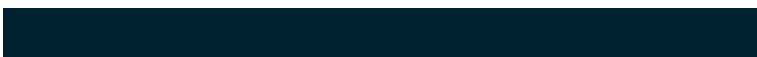
87, 112, 225



101, 109, 112



0, 119, 176



0, 33, 48

Inverse Universe

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



225, 87, 180



255, 66, 193



225, 200, 87



112, 101, 109



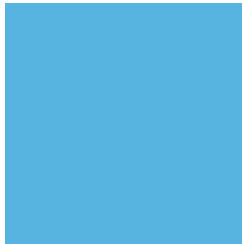
176, 0, 119



48, 0, 33

Previews

White Background



This preview shows how the RGB color 87, 180, 225 looks on a white background.

Color Contrast Check

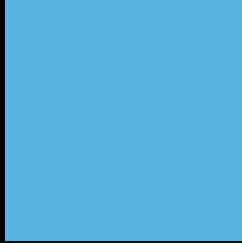
Large Text (above 18pt) WCAG AA × Fail

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 87, 180, 225 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 87, 180, 225 Background



This preview shows how black text looks on a background with the RGB color 87, 180, 225.

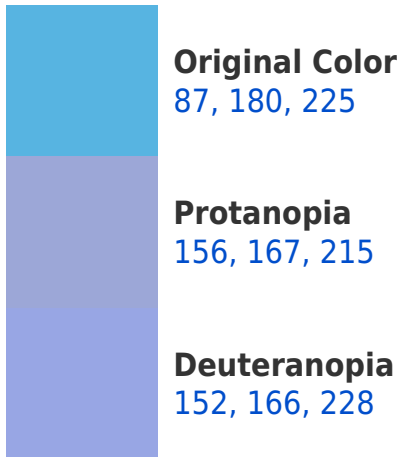


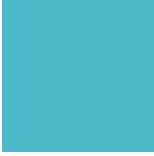
This preview shows how white text looks on a background with the RGB color 87, 180, 225.

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





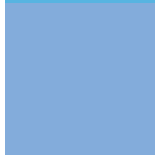
Tritanopia
75, 185, 199

Trichromacy



Original Color

87, 180, 225



Protanomaly

131, 172, 219



Deuteranomaly

128, 171, 227



Tritanomaly

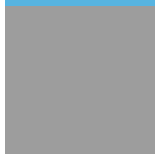
79, 183, 208

Monochromacy



Original Color

87, 180, 225



Achromatopsia

157, 157, 157



Achromatomaly

132, 165, 182

CSS Examples

Text

The CSS property to change the color of the text to RGB 87, 180, 225 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(87, 180, 225)` looks like.

```
.text, #text, p{  
    color:rgb(87, 180, 225)  
}
```

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(87, 180, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 180, 225) }
```

Border

The CSS property to change the border of an element to RGB 87, 180, 225 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(87, 180, 225) }
```

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

```
.border{ border-color:rgb(87, 180, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 180, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 180, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 180, 225);  
box-shadow:4px 4px 4px 4px rgb(87, 180,  
225) }
```

Background

The CSS property to change the background color of an element to RGB 87, 180, 225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 180, 225) }
```

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

```
.background{ background-color: rgb(87, 180,  
225) }
```

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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