

Converting Colors

RGB(87, 172, 232)

Have a look what the booklet for
RGB(87, 172, 232) contains.

RGB(87, 172, 232)	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, 172, 232)

Conversions

Conversions Part 1

Format	Color
Hex	57ACE8
RGB	87, 172, 232
RGB Percent	34%, 67%, 91%
CMY	0.6588, 0.3255, 0.0902
CMYK	0.62, 0.26, 0.00, 0.09
HSL	205°, 76%, 63%
HSV	205°, 62%, 91%
XYZ	33.2485, 37.3575, 81.8023
YIQ	153.4250, -69.9200, 0.6400

Conversions

Conversions Part 2

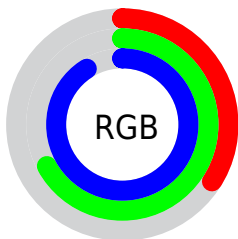
Format	Color
R _Y B	87, 141, 232
Decimal	5745896
CIE Lab	67.54, -7.80, -37.77
CIE LCh	68, 38.571, 258.328
Yxy	37.3575, 0.2182, 0.2451
Android (android.graphics.Color)	4283935976 (0xFF57ACE8)
YUV	153.4250, 38.7375, -58.2547
Hunter-Lab	61.1208, -9.8609, -36.5675

Details

The RGB color **87, 172, 232** 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 **232, 147, 87**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **148, 227, 255**, and **0, 120, 176** is the 20% darker color. If you saturate the color by 10%, you get **64, 162, 232**, and if you desaturate by 10%, it is **110, 182, 232**.

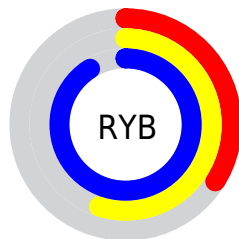
Distribution



Red (34%)

Green (67%)

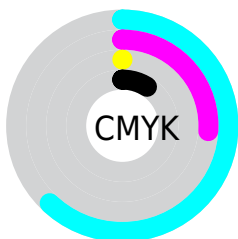
Blue (91%)



Red (34%)

Yellow (55%)

Blue (91%)

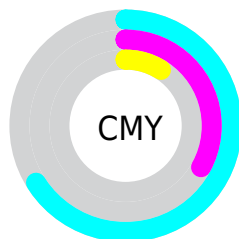


Cyan (62%)

Magenta (26%)

Yellow (0%)

Black (9%)



Cyan (66%)

















Magenta (33%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RGB color 87, 172, 232 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, 172, 232 by changing the saturation by 10% instead.

 87, 172, 232	 87, 172, 232
 255, 255, 255	 52, 146, 204
 148, 227, 255	 0, 120, 176
 178, 255, 255	 0, 95, 149
 208, 255, 255	 0, 72, 123
 238, 255, 255	 0, 50, 98
	 0, 29, 74
	 0, 4, 51
	 0, 2, 29
	 0, 0, 0

■ 87, 172, 232

■ 87, 172, 232

■ 64, 162, 232

■ 110, 182, 232

■ 41, 153, 232

■ 133, 191, 232

■ 17, 143, 232

■ 157, 201, 232

■ 0, 136, 232

■ 180, 210, 232

■ 203, 220, 232

■ 226, 230, 232

■ 249, 239, 232

■ 255, 249, 232

■ 255, 255, 232

Harmonies

Analogous

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



0, 180, 215



87, 172, 232



148, 161, 230

Triad

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



87, 172, 232



232, 138, 144



126, 177, 117

Complementary

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



87, 172, 232



232, 147, 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.



166, 169, 97



87, 172, 232



223, 146, 114

Square

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



87, 172, 232



223, 139, 180



199, 158, 96



80, 182, 149

Rectangle

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



87, 172, 232



181, 152, 219



199, 158, 96



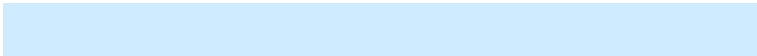
140, 175, 109

Sweetspot

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



87, 172, 232



207, 235, 255



87, 232, 145



98, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



87, 172, 232



64, 176, 255



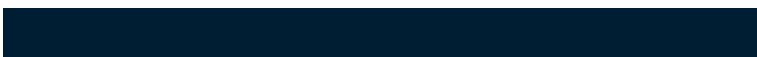
87, 101, 232



103, 110, 115



0, 105, 179



0, 30, 51

Inverse Universe

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



232, 87, 172



255, 64, 176



232, 218, 87



115, 103, 110



179, 0, 105



51, 0, 30

Previews

White Background



This preview shows how the RGB color 87, 172, 232 looks on a white background.

Color Contrast Check

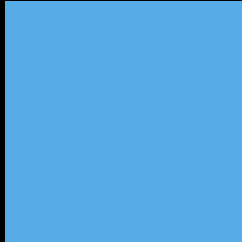
Large Text (above 18pt) WCAG AA × Fail

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, 172, 232 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

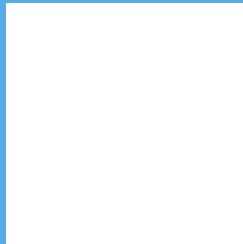
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RGB 87, 172, 232 Background



This preview shows how black text looks on a background with the RGB color 87, 172, 232.

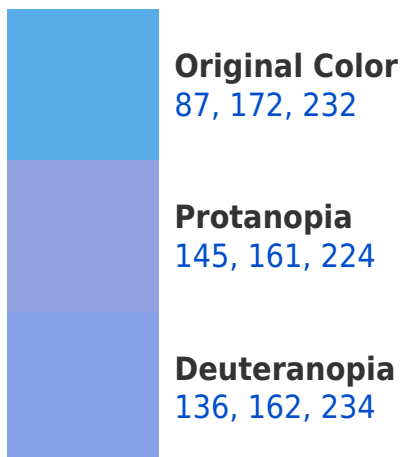


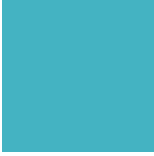
This preview shows how white text looks on a background with the RGB color 87, 172, 232.

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](#).

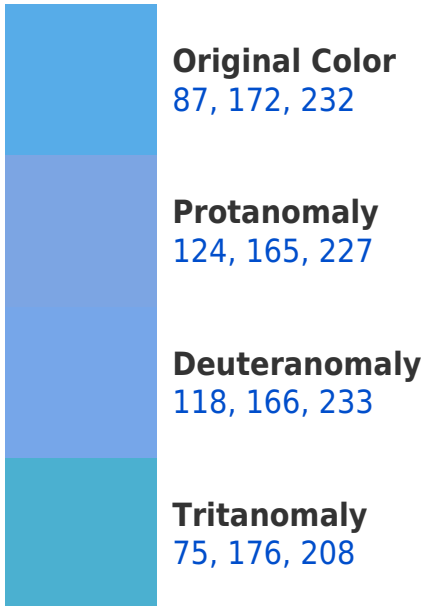
Dichromacy



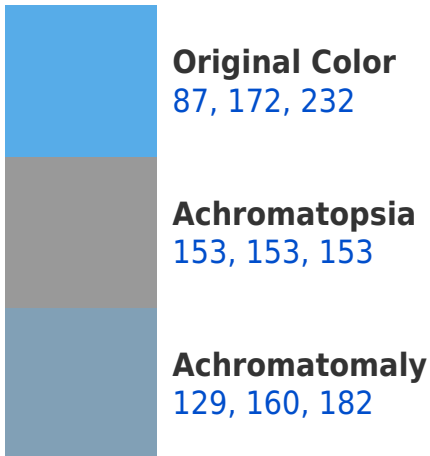


Tritanopia
68, 179, 194

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RGB 87, 172, 232 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, 172, 232)` looks like.

```
.text, #text, p{  
    color:rgb(87, 172, 232)  
}
```

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, 172, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 172, 232) }
```

Border

The CSS property to change the border of an element to RGB 87, 172, 232 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, 172, 232) }
```

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

```
.border{ border-color:rgb(87, 172, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 172, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 172, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 172, 232);  
box-shadow:4px 4px 4px 4px rgb(87, 172,  
232) }
```

Background

The CSS property to change the background color of an element to RGB 87, 172, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 172, 232) }
```

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

```
.background{ background-color: rgb(87, 172,  
232) }
```

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