

Converting Colors

RGB(87, 213, 228)

Have a look what the booklet for
RGB(87, 213, 228) contains.

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Color

RGB(87, 213, 228)

Conversions

Conversions Part 1

Format	Color
Hex	57D5E4
RGB	87, 213, 228
RGB Percent	34%, 84%, 89%
CMY	0.6588, 0.1647, 0.1059
CMYK	0.62, 0.07, 0.00, 0.11
HSL	186°, 72%, 62%
HSV	186°, 62%, 89%
XYZ	41.7283, 55.2162, 81.8573
YIQ	177.0360, -79.9110, -22.0470

Conversions

Conversions Part 2

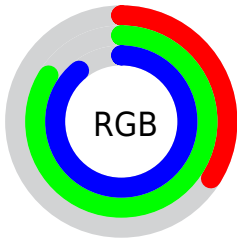
Format	Color
R _Y B	87, 154, 228
Decimal	5756388
CIE Lab	79.17, -30.18, -17.78
CIE LCh	79, 35.028, 210.499
Yxy	55.2162, 0.2334, 0.3088
Android (android.graphics.Color)	4283946468 (0xFF57D5E4)
YUV	177.0360, 25.1253, -78.9616
Hunter-Lab	74.3076, -29.7994, -13.2986

Details

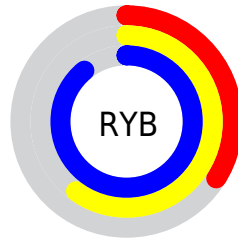
The RGB color **87, 213, 228** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **228, 102, 87**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **150, 255, 255**, and **0, 158, 173** is the 20% darker color. If you saturate the color by 10%, you get **64, 211, 228**, and if you desaturate by 10%, it is **110, 215, 228**.

Distribution



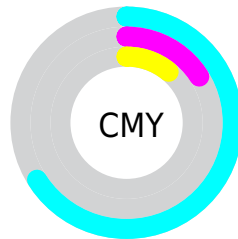
- Red (34%)
- Green (84%)
- Blue (89%)



- Red (34%)
- Yellow (60%)
- Blue (89%)



- Cyan (62%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)



















- Cyan (66%)
- Magenta (16%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RGB color 87, 213, 228 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, 213, 228 by changing the saturation by 10% instead.

 87, 213, 228	 87, 213, 228
 255, 255, 255	 49, 185, 200
 150, 255, 255	 0, 158, 173
 181, 255, 255	 0, 132, 146
 211, 255, 255	 0, 106, 120
 242, 255, 255	 0, 81, 96
	 0, 58, 72
	 0, 37, 49
	 0, 2, 29
	 0, 0, 0

■ 87, 213, 228

■ 87, 213, 228

■ 64, 211, 228

■ 110, 215, 228

■ 41, 208, 228

■ 133, 218, 228

■ 19, 206, 228

■ 155, 220, 228

■ 0, 204, 228

■ 178, 223, 228

■ 201, 225, 228

■ 224, 228, 228

■ 247, 230, 228

■ 255, 232, 228

■ 255, 235, 228

Harmonies

Analogous

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



108, 214, 195



87, 213, 228



107, 208, 252

Triad

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



87, 213, 228



238, 177, 229



218, 194, 131

Complementary

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



87, 213, 228



228, 102, 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.



245, 183, 140



87, 213, 228



255, 172, 197

Square

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



87, 213, 228



201, 187, 252



255, 174, 165



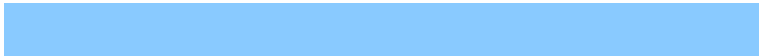
184, 204, 139

Rectangle

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



87, 213, 228



137, 202, 255



255, 174, 165



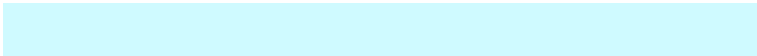
228, 190, 132

Sweetspot

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



87, 213, 228



207, 250, 255



87, 228, 101



98, 124, 128



0, 0, 0



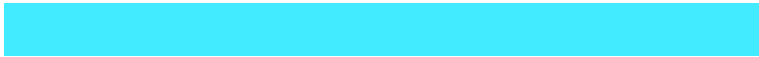
128, 128, 128

Same Dimension

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



87, 213, 228



66, 235, 255



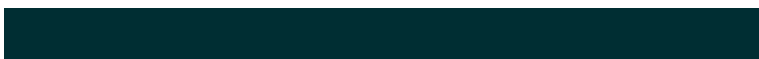
87, 143, 228



103, 114, 115



0, 160, 179



0, 46, 51

Inverse Universe

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



228, 87, 213



255, 66, 235



228, 172, 87



115, 103, 114



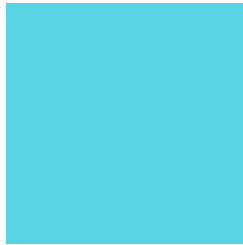
179, 0, 160



51, 0, 46

Previews

White Background



This preview shows how the RGB color 87, 213, 228 looks on a white background.

Color Contrast Check

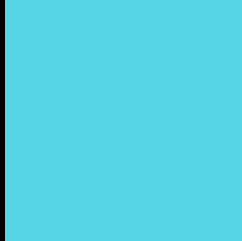
Large Text (above 18pt) WCAG AA × Fail

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, 213, 228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

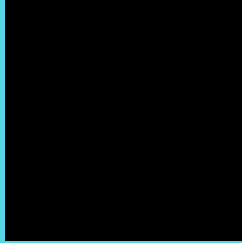
Any Text WCAG AA ✓ Pass

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, 213, 228 Background



This preview shows how black text looks on a background with the RGB color 87, 213, 228.

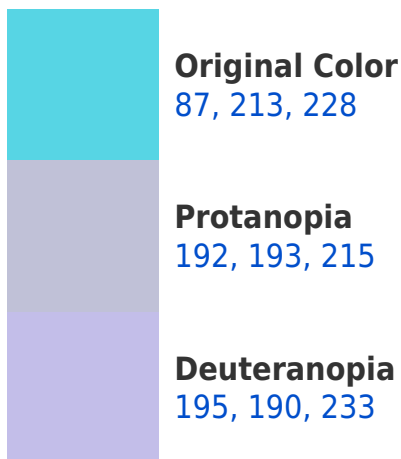


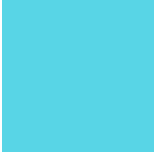
This preview shows how white text looks on a background with the RGB color 87, 213, 228.

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
88, 213, 230

Trichromacy



Original Color

87, 213, 228



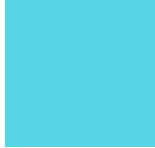
Protanomaly

154, 200, 220



Deuteranomaly

156, 198, 231



Tritanomaly

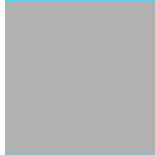
88, 213, 229

Monochromacy



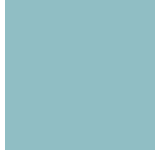
Original Color

87, 213, 228



Achromatopsia

177, 177, 177



Achromatomaly

144, 190, 196

CSS Examples

Text

The CSS property to change the color of the text to RGB 87, 213, 228 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, 213, 228) looks like.

```
.text, #text, p{  
    color:rgb(87, 213, 228)  
}
```

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, 213, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 213, 228) }
```

Border

The CSS property to change the border of an element to RGB 87, 213, 228 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, 213, 228) }
```

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

```
.border{ border-color:rgb(87, 213, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 213, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 213, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 213, 228);  
box-shadow:4px 4px 4px 4px rgb(87, 213,  
228) }
```

Background

The CSS property to change the background color of an element to RGB 87, 213, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 213, 228) }
```

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

```
.background{ background-color: rgb(87, 213,  
228) }
```

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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