

# Converting Colors

Hex(57E1EC)

Have a look what the booklet for  
Hex(57E1EC) contains.

<b>Hex(57E1EC)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(57E1EC)**

# Conversions

## Conversions Part 1

Format	Color
Hex	57E1EC
RGB	87, 225, 236
RGB Percent	34%, 88%, 93%
CMY	0.6588, 0.1176, 0.0745
CMYK	0.63, 0.05, 0.00, 0.07
HSL	184°, 80%, 63%
HSV	184°, 63%, 93%
XYZ	45.9960, 61.9328, 88.8869
YIQ	184.9920, -85.7790, -25.8350

# Conversions

## Conversions Part 2

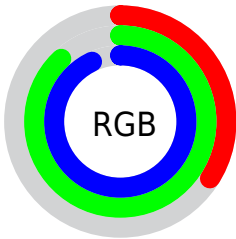
Format	Color
<a href="#">RYB</a>	<a href="#">87, 159, 236</a>
Decimal	<a href="#">5759468</a>
CIELab	<a href="#">82.88, -33.64, -16.44</a>
CIELCh	<a href="#">83, 37.447, 206.044</a>
Yxy	<a href="#">61.9328, 0.2337, 0.3147</a>
Android (android.graphics.Color)	<a href="#">4283949548 (0xFF57E1EC)</a>
YUV	<a href="#">184.9920, 25.1469, -85.9390</a>
Hunter-Lab	<a href="#">78.6974, -33.3931, -11.8785</a>

# Details

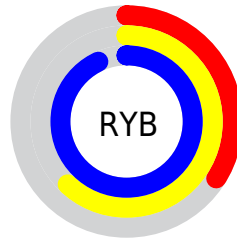
The Hex color **57E1EC** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **EC6257**, and the grayscale version is **B9B9B9**.

A 20% lighter version of the original color is **98FFFF**, and **00A9B4** is the 20% darker color. If you saturate the color by 10%, you get **3FDFEC**, and if you desaturate by 10%, it is **6FE3EC**.

# Distribution



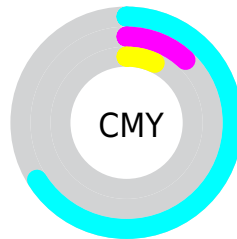
- Red (34%)
- Green (88%)
- Blue (93%)



- Red (34%)
- Yellow (62%)
- Blue (93%)



- Cyan (63%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)



- Cyan (66%)
- Magenta (12%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 57E1EC 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 Hex color 57E1EC by changing the saturation by 10% instead.



 57E1EC

 57E1EC

FFFFFF

 2FC5D0

 98FFFF

 00A9B4

 B7FFFF

 008E99

 D5FFFF

 00747F

 F4FFFF

 005B66

 00434E

 002C38

 001322

 00000A

 57E1EC

 57E1EC

 3FDFEC

 6FE3EC

 28DEEC

 86E4EC

 10DCEC

 9EE6EC

 00DBEC

 B5E8EC

 CDEAEC

 E5EBEC

 FCEDEC

 FFEFEC

 FFF1EC

# Harmonies

## Analogous

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



74E1C8



57E1EC



66DCFF

# Triad

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



57E1EC



F7BBF6



EBCB88

# Complementary

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



57E1EC



EC6257

# 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.



FFBF95



57E1EC



FFB4D4

# Square

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



57E1EC



CDC7FF



FFB6B1



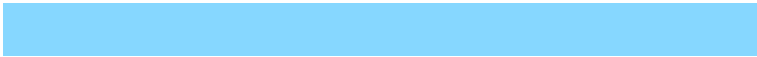
C7D68E

# Rectangle

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



57E1EC



86D7FF



FFB6B1



F5C78A

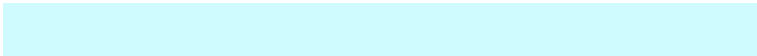


# Sweetspot

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



57E1EC



CFFBFF



57EC61



627D80



000000



808080



# Same Dimension

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



57E1EC



3DF1FF



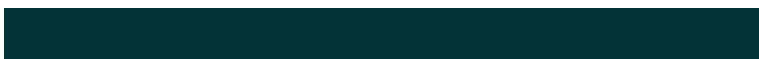
5798EC



6A7475



00A8B5



003236



# Inverse Universe

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



EC57E1



FF3DF1



ECAB57



756A74



B500A8

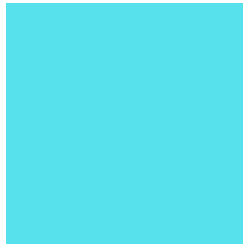


360032



# Previews

## White Background



This preview shows how the Hex color 57E1EC looks on a white background.

## Color Contrast Check

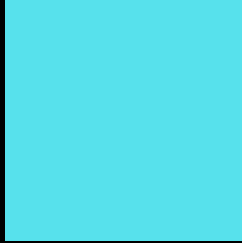
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 57E1EC looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

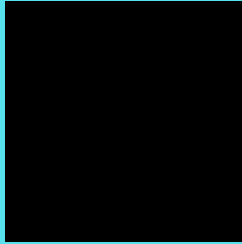
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 57E1EC Background



This preview shows how black text looks on a background with the Hex color 57E1EC.

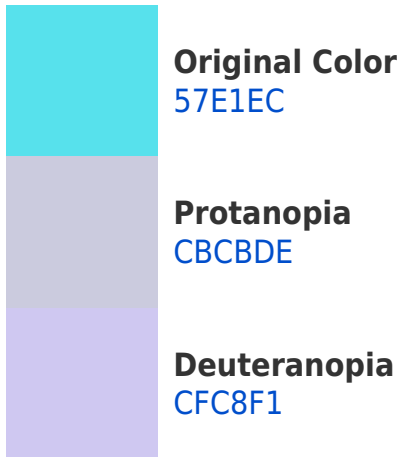


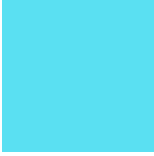
This preview shows how white text looks on a background with the Hex color 57E1EC.

# 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



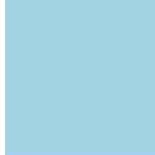


**Tritanopia**  
5AE0F2

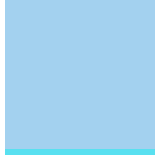
# Trichromacy



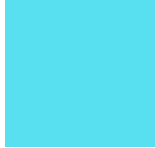
**Original Color**  
57E1EC



**Protanomaly**  
A1D3E3



**Deuteranomaly**  
A3D1EF

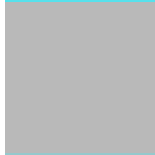


**Tritanomaly**  
59E0F0

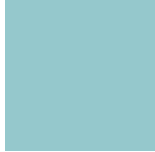
# Monochromacy



**Original Color**  
57E1EC



**Achromatopsia**  
B9B9B9



**Achromatomaly**  
95C8CC

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 57E1EC 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 #57E1EC looks like.

```
.text, #text, p{  
    color:#57E1EC  
}
```

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 #57E1EC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #57E1EC  
}
```

## Border

The CSS property to change the border of an element to Hex 57E1EC 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  
#57E1EC }
```

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

```
.border{ border-color:#57E1EC }
```

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

Here you see how a box with a 4 pixel #57E1EC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #57E1EC; -webkit-box-shadow:4px 4px  
4px 4px #57E1EC; box-shadow:4px 4px 4px  
4px #57E1EC }
```

# Background

The CSS property to change the background color of an element to Hex 57E1EC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#57E1EC }
```

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

```
.background{ background-color:#57E1EC }
```

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