

# Converting Colors

Hex(56E965)

Have a look what the booklet for  
Hex(56E965) contains.

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**Color**

**Hex(56E965)**

# Conversions

## Conversions Part 1

Format	Color
Hex	56E965
RGB	86, 233, 101
RGB Percent	34%, 91%, 40%
CMY	0.6627, 0.0863, 0.6039
CMYK	0.63, 0.00, 0.57, 0.09
HSL	126°, 77%, 63%
HSV	126°, 63%, 91%
XYZ	35.3256, 61.1958, 22.2620
YIQ	173.9990, -45.2400, -72.2160

# Conversions

## Conversions Part 2

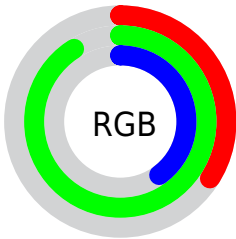
Format	Color
<a href="#">RYB</a>	<a href="#">86, 219, 233</a>
Decimal	<a href="#">5695845</a>
CIELab	<a href="#">82.48, -65.01, 51.98</a>
CIElCh	<a href="#">82, 83.233, 141.357</a>
Yxy	<a href="#">61.1958, 0.2974, 0.5152</a>
Android (android.graphics.Color)	<a href="#">4283885925 (0xFF56E965)</a>
YUV	<a href="#">173.9990, -35.9885, -77.1751</a>
Hunter-Lab	<a href="#">78.2278, -56.2926, 37.8867</a>

# Details

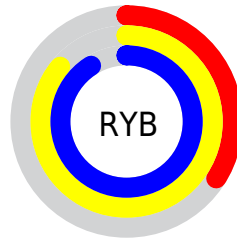
The Hex color **56E965** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted spring green. A complement of this color would be **E956DA**, and the grayscale version is **AEAEAE**.

A 20% lighter version of the original color is **96FF9B**, and **00B02F** is the 20% darker color. If you saturate the color by 10%, you get **3FE950**, and if you desaturate by 10%, it is **6DE97A**.

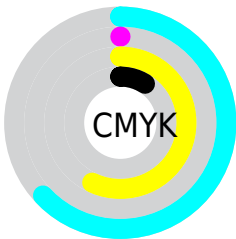
# Distribution



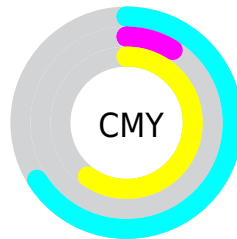
- Red (34%)
- Green (91%)
- Blue (40%)



- Red (34%)
- Yellow (86%)
- Blue (91%)



- Cyan (63%)
- Magenta (0%)
- Yellow (57%)
- Black (9%)



- Cyan (66%)
- Magenta (9%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 56E965 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 56E965 by changing the saturation by 10% instead.



 56E965

 56E965


FFFFFF

 30CC4A

 96FF9B

 00B02F

 B4FFB7

 00940F

 D3FFD3

 007900

 F2FFF0

 005F00

 004600

 002E00

 001000

 000000

 56E965

 56E965

 3FE950

 6DE97A

 27E93B

 85E98F

 10E926

 9CE9A4

 00E918

 B3E9B9

 CBE9CE

 E2E9E3

 F9E9F7

 FFE9FF

# Harmonies

## Analogous

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



BEDA20



56E965



00F0B3

# Triad

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



56E965



00DDFF



FF8499

# Complementary

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



56E965



E956DA

# 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.



FF82E7



56E965



A0C2FF

# Square

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



56E965



00ECFF



FF9FFF



FFA153

# Rectangle

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



56E965



00F2EA



FF9FFF



FF7FB3

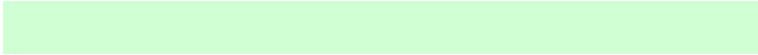


# Sweetspot

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



56E965



CFFFD3



DAE956



628065



000000



808080



# Same Dimension

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



56E965



3DFF51



56E9AE



6A756B



00B512



003605



# Inverse Universe

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



E956DA



FF3DEB



E95691



756A74



B500A3

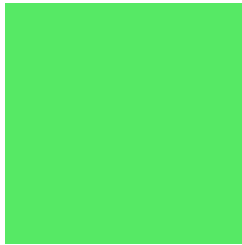


360030



# Previews

## White Background



This preview shows how the Hex color 56E965 looks on a white background.

## Color Contrast Check

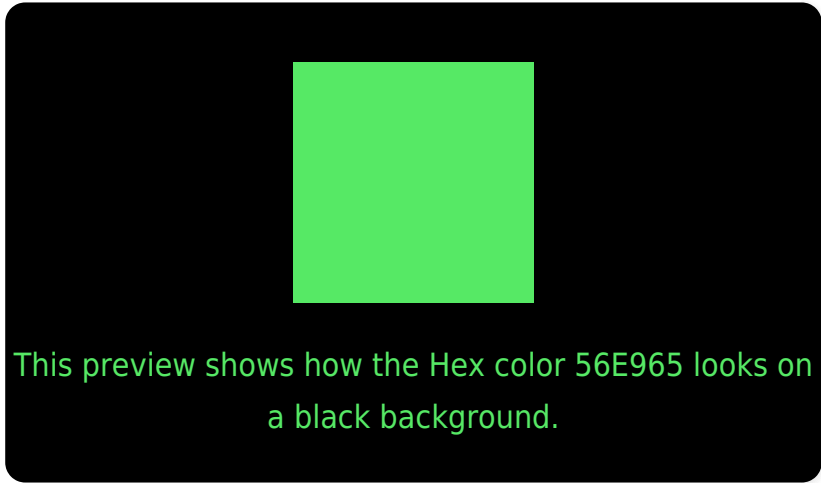
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

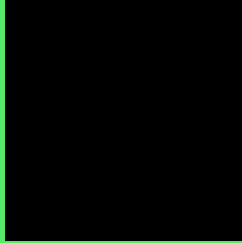
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 56E965 Background



This preview shows how black text looks on a background with the Hex color 56E965.

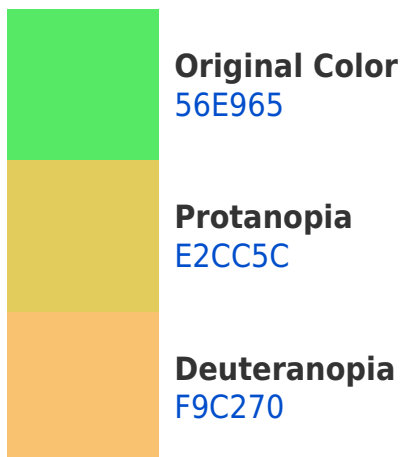


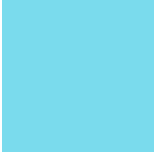
This preview shows how white text looks on a background with the Hex color 56E965.

# 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**  
7ADBED

# Trichromacy



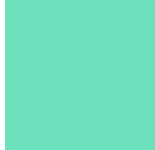
**Original Color**  
56E965



**Protanomaly**  
AFD75F



**Deuteranomaly**  
BED06C

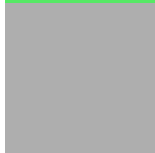


**Tritanomaly**  
6DE0BC

# Monochromacy



**Original Color**  
56E965



**Achromatopsia**  
AEAEAE



**Achromatomaly**  
8EC393

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 56E965 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 #56E965 looks like.

```
.text, #text, p{  
    color:#56E965  
}
```

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 #56E965 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #56E965
}
```

## Border

The CSS property to change the border of an element to Hex 56E965 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
#56E965 }
```

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

```
.border{ border-color:#56E965 }
```

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

Here you see how a box with a 4 pixel #56E965 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #56E965; -webkit-box-shadow:4px 4px  
4px 4px #56E965; box-shadow:4px 4px 4px  
4px #56E965 }
```

# Background

The CSS property to change the background color of an element to Hex 56E965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#56E965 }
```

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

```
.background{ background-color:#56E965 }
```

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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