

# Converting Colors

Hex(56E856)

Have a look what the booklet for  
Hex(56E856) contains.

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**Color**

**Hex(56E856)**

# Conversions

## Conversions Part 1

Format	Color
Hex	56E856
RGB	86, 232, 86
RGB Percent	34%, 91%, 34%
CMY	0.6627, 0.0902, 0.6627
CMYK	0.63, 0.00, 0.63, 0.09
HSL	120°, 76%, 62%
HSV	120°, 63%, 91%
XYZ	34.3741, 60.3635, 18.6437
YIQ	171.7020, -40.1500, -76.3580

# Conversions

## Conversions Part 2

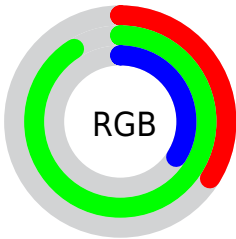
<b>Format</b>	<b>Color</b>
<b>RYB</b>	86, 232, 232
Decimal	5695574
CIELab	82.04, -66.33, 57.97
CIELCh	82, 88.093, 138.850
Yxy	60.3635, 0.3032, 0.5324
Android (android.graphics.Color)	4283885654 (0xFF56E856)
YUV	171.7020, -42.2511, -75.1607
Hunter-Lab	77.6940, -56.9909, 40.1583

# Details

The Hex color **56E856** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted green. A complement of this color would be **E856E8**, and the grayscale version is **ACACAC**.

A 20% lighter version of the original color is **96FF8D**, and **00AF1B** is the 20% darker color. If you saturate the color by 10%, you get **3FE83F**, and if you desaturate by 10%, it is **6DE86D**.

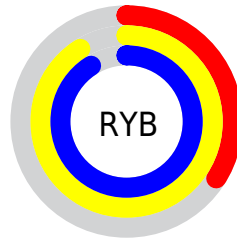
# Distribution



Red (34%)

Green (91%)

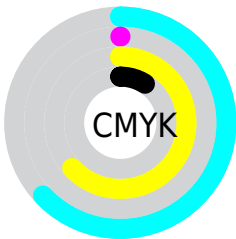
Blue (34%)



Red (34%)

Yellow (91%)

Blue (91%)

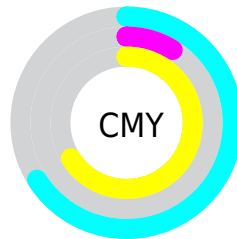


Cyan (63%)

Magenta (0%)

Yellow (63%)

Black (9%)



Cyan (66%)

Magenta (9%)

Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 56E856 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 56E856 by changing the saturation by 10% instead.



 56E856

FFFFFF

 96FF8D

 B5FFA9

 D3FFC5

 F2FFE2

 56E856

 2FCB3A

 00AF1B

 009300

 007900

 005E00

 004500

 002D00

 000E00

 000000

 56E856

 56E856

 3FE83F

 6DE86D

 28E828

 84E884

 10E810

 9CE89C

 00E800

 B3E8B3

 CAE8CA

 E1E8E1

 F8E8F8

 FFE8FF

# Harmonies

## Analogous

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



C2D800



56E856



00F0A9

# Triad

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



56E856



00DFFF



FF7A9C

# Complementary

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



56E856



E856E8

# 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.



FF7BEF



56E856



87C3FF

# Square

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



56E856



00EDFF



FF9DFF



FF9A50

# Rectangle

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



56E856



00F2E3



FF9DFF



FF75B7

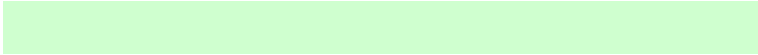


# Sweetspot

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



56E856



CFFFCF



E8E856



628062



000000



808080



# Same Dimension

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



56E856



3DFF3D



56E89F



677367



00B300



003300



# Inverse Universe

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



E856E8



FF3DFF



E8569F



736773



B300B3

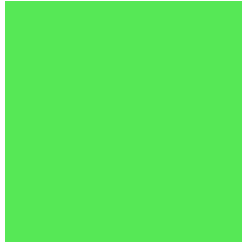


330033



# Previews

## White Background



This preview shows how the Hex color 56E856 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

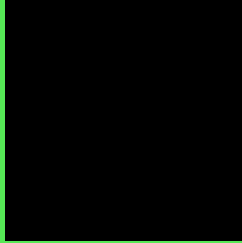
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 56E856 Background



This preview shows how black text looks on a background with the Hex color 56E856.

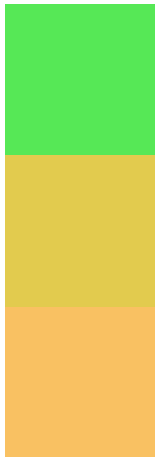


This preview shows how white text looks on a background with the Hex color 56E856.

# 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](#).

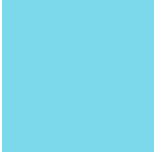
## Dichromacy



**Original Color**  
56E856

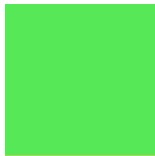
**Protanopia**  
E2CB4E

**Deuteranopia**  
F9C162

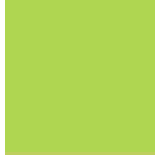


**Tritanopia**  
7BD9EB

# Trichromacy



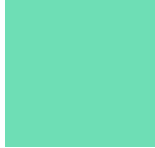
**Original Color**  
56E856



**Protanomaly**  
AFD651



**Deuteranomaly**  
BECF5E



**Tritanomaly**  
6EDEB5

# Monochromacy



**Original Color**  
56E856



**Achromatopsia**  
ACACAC



**Achromatomaly**  
8DC28D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 56E856 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 #56E856 looks like.

```
.text, #text, p{  
    color:#56E856  
}
```

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 #56E856 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #56E856
}
```

## Border

The CSS property to change the border of an element to Hex 56E856 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
#56E856 }
```

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

```
.border{ border-color:#56E856 }
```

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

Here you see how a box with a 4 pixel #56E856 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #56E856; -webkit-box-shadow:4px 4px  
4px 4px #56E856; box-shadow:4px 4px 4px  
4px #56E856 }
```

# Background

The CSS property to change the background color of an element to Hex 56E856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#56E856 }
```

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

```
.background{ background-color:#56E856 }
```

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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