

# Converting Colors

Hex(56E065)

Have a look what the booklet for  
Hex(56E065) contains.

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**Color**

**Hex(56E065)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 56E065                       |
| RGB         | 86, 224, 101                 |
| RGB Percent | 34%, 88%, 40%                |
| CMY         | 0.6627, 0.1216, 0.6039       |
| CMYK        | 0.62, 0.00, 0.55, 0.12       |
| HSL         | 127°, 69%, 61%               |
| HSV         | 127°, 62%, 88%               |
| XYZ         | 32.8424, 56.2293, 21.4343    |
| YIQ         | 168.7160, -42.7650, -67.5090 |

# Conversions

## Conversions Part 2

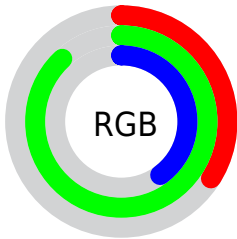
| Format                              | Color                           |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 86, 210, 224                    |
| Decimal                             | 5693541                         |
| CIELab                              | 79.74, -61.83, 48.73            |
| CIELCh                              | 80, 78.725, 141.756             |
| Yxy                                 | 56.2293, 0.2972,<br>0.5088      |
| Android<br>(android.graphics.Color) | 4283883621<br>(0xFF56E065)      |
| YUV                                 | 168.7160, -33.3840,<br>-72.5419 |
| Hunter-Lab                          | 74.9862, -53.0467,<br>35.5427   |

# Details

The Hex color **56E065** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **E056D1**, and the grayscale version is **A9A9A9**.

A 20% lighter version of the original color is **94FF9B**, and **00A730** is the 20% darker color. If you saturate the color by 10%, you get **40E051**, and if you desaturate by 10%, it is **6CE079**.

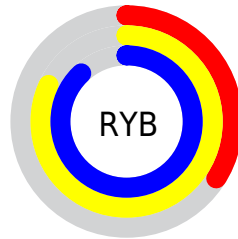
# Distribution



Red (34%)

Green (88%)

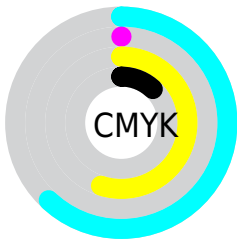
Blue (40%)



Red (34%)

Yellow (82%)

Blue (88%)

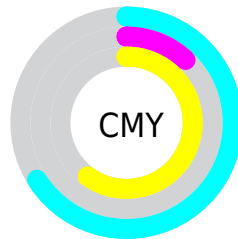


Cyan (62%)

Magenta (0%)

Yellow (55%)

Black (12%)



Cyan (66%)

Magenta (12%)

Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 56E065 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 56E065 by changing the saturation by 10% instead.



 56E065

 56E065

FFFFFF

 32C34B

 94FF9B

 00A730

 B2FFB6

 008C13

 D1FFD3

 007200

 EFFFF0

 005800

 003F00

 002700

 000000

 56E065

 56E065

 40E051

 6CE079

 29E03D

 83E08D

 13E029

 99E0A1

 00E018

 B0E0B5

 C6E0C9

 DCE0DD

 F3E0F1

 FFE0FF

# Harmonies

## Analogous

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



B7D228



56E065



00E7AE

# Triad

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



56E065



00D4FF



FF8294

# Complementary

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



56E065



E056D1

# 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.



FF80DD



56E065



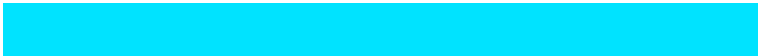
9FBBFF

# Square

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



56E065



00E3FF



FF9AFF



FF9D52

# Rectangle

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



56E065



00E8E1



FF9AFF



FF7EAC

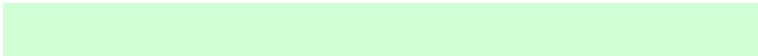


# Sweetspot

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



56E065



D1FFD6



D2E056



638066



000000



808080



# Same Dimension

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



56E065



42FF57



56E0A9



657066



00B013



003005



# Inverse Universe

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



E056D1



FF42EA



E0568D



70656F



B0009D

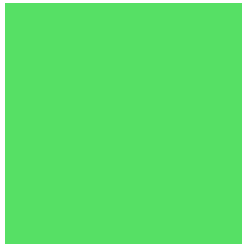


30002B



# Previews

## White Background



This preview shows how the Hex color 56E065 looks on a white background.

## Color Contrast Check

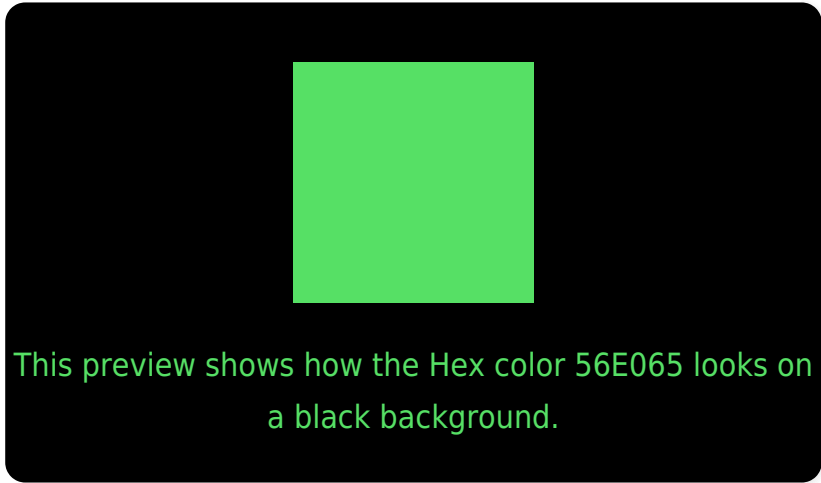
Large Text (above 18pt) WCAG AA × Fail

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

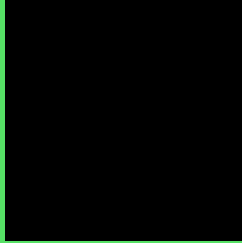
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 56E065 Background



This preview shows how black text looks on a background with the Hex color 56E065.

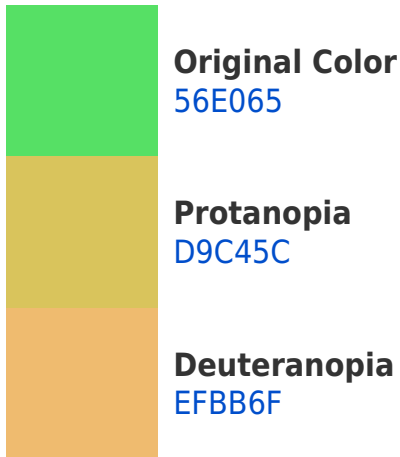


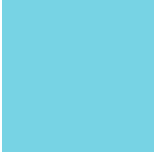
This preview shows how white text looks on a background with the Hex color 56E065.

# 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**  
77D3E4

# Trichromacy



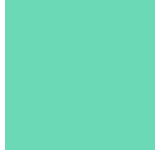
**Original Color**  
56E065



**Protanomaly**  
A9CE5F



**Deuteranomaly**  
B7C86B



**Tritanomaly**  
6BD8B6

# Monochromacy



**Original Color**  
56E065



**Achromatopsia**  
A9A9A9



**Achromatomaly**  
8BBD90

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 56E065 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 #56E065 looks like.

```
.text, #text, p{  
    color:#56E065  
}
```

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 #56E065 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #56E065
}
```

## Border

The CSS property to change the border of an element to Hex 56E065 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
#56E065 }
```

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

```
.border{ border-color:#56E065 }
```

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

Here you see how a box with a 4 pixel #56E065 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #56E065; -webkit-box-shadow:4px 4px  
4px 4px #56E065; box-shadow:4px 4px 4px  
4px #56E065 }
```

# Background

The CSS property to change the background color of an element to Hex 56E065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#56E065 }
```

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

```
.background{ background-color:#56E065 }
```

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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