

# Converting Colors

Hex(55E070)

Have a look what the booklet for  
Hex(55E070) contains.

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**Color**

**Hex(55E070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	55E070
RGB	85, 224, 112
RGB Percent	33%, 88%, 44%
CMY	0.6667, 0.1216, 0.5608
CMYK	0.62, 0.00, 0.50, 0.12
HSL	132°, 69%, 61%
HSV	132°, 62%, 88%
XYZ	33.3266, 56.4125, 24.4614
YIQ	169.6710, -46.8920, -64.3000

# Conversions

## Conversions Part 2

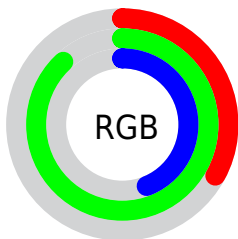
Format	Color
<a href="#">RYB</a>	<a href="#">85, 201, 224</a>
Decimal	<a href="#">5628016</a>
CIELab	<a href="#">79.85, -60.56, 43.67</a>
CIELCh	<a href="#">80, 74.665, 144.203</a>
Yxy	<a href="#">56.4125, 0.2918, 0.4940</a>
Android (android.graphics.Color)	<a href="#">4283818096 (0xFF55E070)</a>
YUV	<a href="#">169.6710, -28.4318, -74.2565</a>
Hunter-Lab	<a href="#">75.1082, -52.2364, 33.2660</a>

# Details

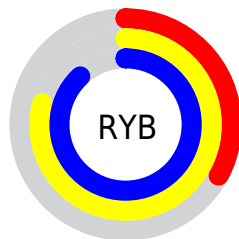
The Hex color **55E070** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **E055C5**, and the grayscale version is **AAAAAA**.

A 20% lighter version of the original color is **93FFA6**, and **00A73D** is the 20% darker color. If you saturate the color by 10%, you get **3FE05E**, and if you desaturate by 10%, it is **6BE082**.

# Distribution



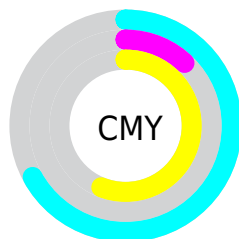
- Red (33%)
- Green (88%)
- Blue (44%)



- Red (33%)
- Yellow (79%)
- Blue (88%)



- Cyan (62%)
- Magenta (0%)
- Yellow (50%)
- Black (12%)



- Cyan (67%)
- Magenta (12%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 55E070 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 55E070 by changing the saturation by 10% instead.



 55E070

 55E070

FFFFFF

 31C356

 93FFA6

 00A73D

 B1FFC1

 008C23

 CFFFDE

 007202

 EEEFFB

 005800

 003F00

 002800

 000000

 55E070

 55E070

 3FE05E

 6BE082

 28E04C

 82E094

 12E03A

 98E0A6

 00E02C

 AFE0B8

 C5E0CA

 DBE0DC

 F2E0EE

 FFE0FF

# Harmonies

## Analogous

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



B3D339



55E070



00E6B6

# Triad

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



55E070



00D2FF



FF8991

# Complementary

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



55E070



E055C5

# 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.



FF85D7



55E070



AEB9FF

# Square

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



55E070



00E1FF



FF9BFF



FFA255

# Rectangle

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



55E070



00E7E6



FF9BFF



FF85A8

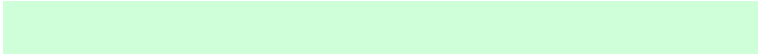


# Sweetspot

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



55E070



CFFFD8



C7E055



628068



000000



808080



# Same Dimension

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



55E070



42FF67



55E0B4



657067



00B022



003009



# Inverse Universe

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



E055C5



FF42DA



E05581



70656E



B0008E

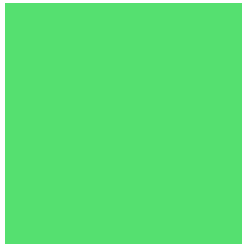


300027



# Previews

## White Background



This preview shows how the Hex color 55E070 looks on a white background.

## Color Contrast Check

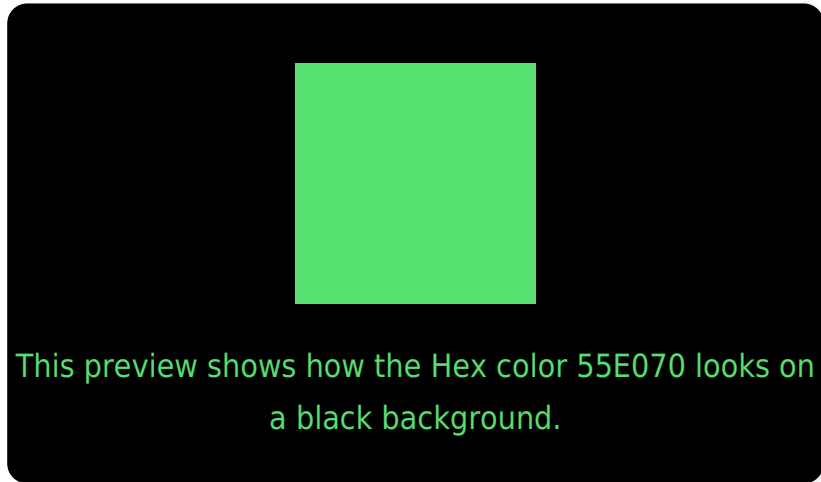
Large Text (above 18pt) WCAG AA × Fail

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

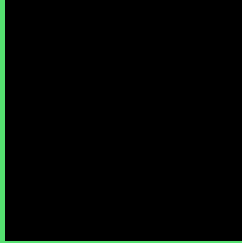
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 55E070 Background



This preview shows how black text looks on a background with the Hex color 55E070.

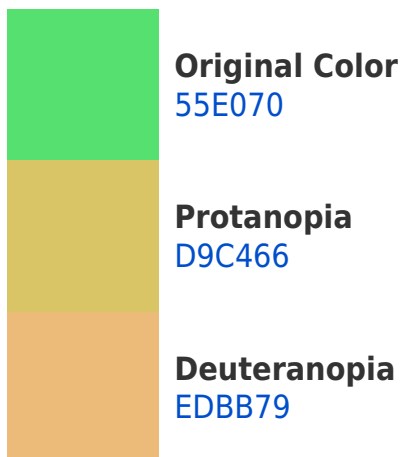


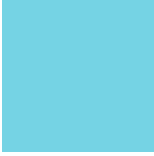
This preview shows how white text looks on a background with the Hex color 55E070.

# 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



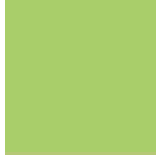


**Tritanopia**  
75D3E4

# Trichromacy



**Original Color**  
55E070



**Protanomaly**  
A9CE6A



**Deuteranomaly**  
B6C876



**Tritanomaly**  
69D8BA

# Monochromacy



**Original Color**  
55E070



**Achromatopsia**  
AAAAAA



**Achromatomaly**  
8BBE95

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 55E070 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 #55E070 looks like.

```
.text, #text, p{  
    color:#55E070  
}
```

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 #55E070 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #55E070
}
```

## Border

The CSS property to change the border of an element to Hex 55E070 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
#55E070 }
```

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

```
.border{ border-color:#55E070 }
```

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

Here you see how a box with a 4 pixel #55E070 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #55E070; -webkit-box-shadow:4px 4px  
4px 4px #55E070; box-shadow:4px 4px 4px  
4px #55E070 }
```

# Background

The CSS property to change the background color of an element to Hex 55E070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#55E070 }
```

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

```
.background{ background-color:#55E070 }
```

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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