

# Converting Colors

Hex(55E672)

Have a look what the booklet for  
Hex(55E672) contains.

<b>Hex(55E672)</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(55E672)**

# Conversions

## Conversions Part 1

Format	Color
Hex	55E672
RGB	85, 230, 114
RGB Percent	33%, 90%, 45%
CMY	0.6667, 0.0980, 0.5529
CMYK	0.63, 0.00, 0.50, 0.10
HSL	132°, 74%, 62%
HSV	132°, 63%, 90%
XYZ	35.0804, 59.7398, 25.6016
YIQ	173.4210, -49.1840, -66.8160

# Conversions

## Conversions Part 2

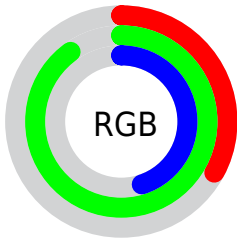
<b>Format</b>	<b>Color</b>
<b>RYB</b>	85, 206, 230
Decimal	5629554
CIELab	81.70, -62.45, 45.00
CIELCh	82, 76.973, 144.224
Yxy	59.7398, 0.2913, 0.4961
Android (android.graphics.Color)	4283819634 (0xFF55E672)
YUV	173.4210, -29.2946, -77.5452
Hunter-Lab	77.2915, -54.2442, 34.4652

# Details

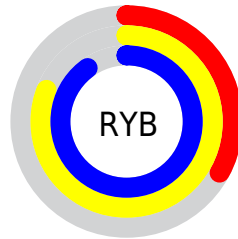
The Hex color **55E672** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **E655C9**, and the grayscale version is **AEAEAE**.

A 20% lighter version of the original color is **94FFA8**, and **00AD3E** is the 20% darker color. If you saturate the color by 10%, you get **3EE660**, and if you desaturate by 10%, it is **6CE684**.

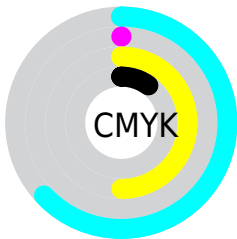
# Distribution



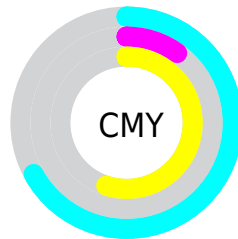
- Red (33%)
- Green (90%)
- Blue (45%)



- Red (33%)
- Yellow (81%)
- Blue (90%)



- Cyan (63%)
- Magenta (0%)
- Yellow (50%)
- Black (10%)



- Cyan (67%)
- Magenta (10%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 55E672 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 55E672 by changing the saturation by 10% instead.



 55E672

 55E672


FFFFFF

 2FC958

 94FFA8

 00AD3E

 B2FFC4

 009224

 D1FFE0

 007703

 EFFFFD

 005D00

 004400

 002C00

 000C00

 000000

 55E672

 55E672

 3EE660

 6CE684

 27E64D

 83E697

 10E63B

 9AE6A9

 00E62E

 B1E6BC

 C8E6CE

 DFE6E0

 F6E6F3

 FFE6FF

# Harmonies

## Analogous

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



B7D938



55E672



00ECBA

# Triad

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



55E672



00D8FF



FF8C94

# Complementary

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



55E672



E655C9

# 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.



FF87DC



55E672



B2BEFF

# Square

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



55E672



00E7FF



FF9EFF



FFA656

# Rectangle

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



55E672



00EEEE



FF9EFF



FF87AC

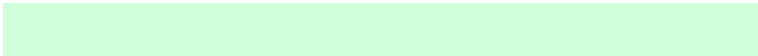


# Sweetspot

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



55E672



CFFFD8



C9E655



628068



000000



808080



# Same Dimension

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



55E672



3DFF64



55E6BB



67736A



00B324



00330A



# Inverse Universe

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



E655C9



FF3DD8



E65581



736770



B3008F



330029



# Previews

## White Background



This preview shows how the Hex color 55E672 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 55E672 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

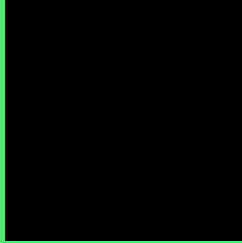
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 55E672 Background



This preview shows how black text looks on a background with the Hex color 55E672.

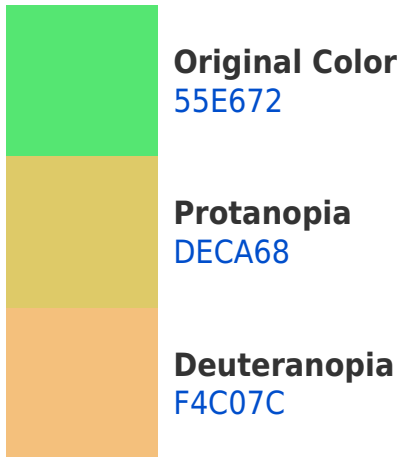


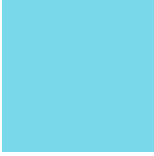
This preview shows how white text looks on a background with the Hex color 55E672.

# 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**  
77D9EA

# Trichromacy



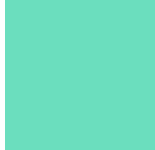
**Original Color**  
55E672



**Protanomaly**  
ACD46C



**Deuteranomaly**  
BACE78

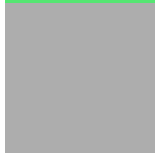


**Tritanomaly**  
6BDEBE

# Monochromacy



**Original Color**  
55E672



**Achromatopsia**  
ADADAD



**Achromatomaly**  
8DC298

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 55E672 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 #55E672 looks like.

```
.text, #text, p{  
    color:#55E672  
}
```

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 #55E672 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #55E672
}
```

## Border

The CSS property to change the border of an element to Hex 55E672 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
#55E672 }
```

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

```
.border{ border-color:#55E672 }
```

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

Here you see how a box with a 4 pixel #55E672 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #55E672; -webkit-box-shadow:4px 4px  
4px 4px #55E672; box-shadow:4px 4px 4px  
4px #55E672 }
```

# Background

The CSS property to change the background color of an element to Hex 55E672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#55E672 }
```

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

```
.background{ background-color:#55E672 }
```

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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