

# Converting Colors

Hex(68DE54)

Have a look what the booklet for  
Hex(68DE54) contains.

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# Color

Hex(68DE54)

# Conversions

## Conversions Part 1

Format	Color
Hex	68DE54
RGB	104, 222, 84
RGB Percent	41%, 87%, 33%
CMY	0.5922, 0.1294, 0.6706
CMYK	0.53, 0.00, 0.62, 0.13
HSL	111°, 68%, 60%
HSV	111°, 62%, 87%
XYZ	33.4304, 55.8257, 17.4010
YIQ	170.9860, -26.0300, -67.9340

# Conversions

## Conversions Part 2

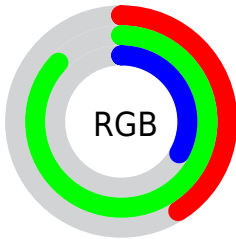
Format	Color
<a href="#">RYB</a>	<a href="#">84, 222, 202</a>
Decimal	<a href="#">6872660</a>
<a href="#">CIELab</a>	<a href="#">79.51, -58.76, 56.15</a>
<a href="#">CIELCh</a>	<a href="#">80, 81.270, 136.302</a>
<a href="#">Yxy</a>	<a href="#">55.8257, 0.3134, 0.5234</a>
Android (android.graphics.Color)	<a href="#">4285062740</a> ( <a href="#">0xFF68DE54</a> )
<a href="#">YUV</a>	<a href="#">170.9860, -42.8841, -58.7467</a>
<a href="#">Hunter-Lab</a>	<a href="#">74.7166, -50.8878, 38.4934</a>

# Details

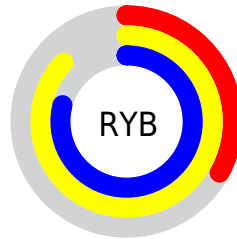
The Hex color **68DE54** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **CA54DE**, and the grayscale version is **ABABAB**.

A 20% lighter version of the original color is **A4FF8A**, and **22A61A** is the 20% darker color. If you saturate the color by 10%, you get **55DE3E**, and if you desaturate by 10%, it is **7BDE6A**.

# Distribution



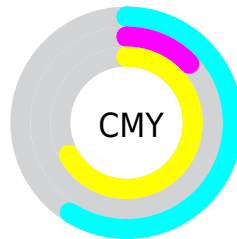
- Red (41%)
- Green (87%)
- Blue (33%)



- Red (33%)
- Yellow (87%)
- Blue (79%)



- Cyan (53%)
- Magenta (0%)
- Yellow (62%)
- Black (13%)



- Cyan (59%)
- Magenta (13%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 68DE54 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 68DE54 by changing the saturation by 10% instead.



 68DE54

 68DE54

FFFFFF

 48C239

 A4FF8A

 22A61A

 C2FFA6

 008B00

 E0FFC2

 007000

 FEFFDF

 005700

 FFFFFC

 003E00

 002700

 000000

 68DE54

 68DE54

 55DE3E

 7BDE6A

 42DE28

 8EDE80

 2FDE11

 A1DE97

 20DE00

 B4DEAD

 C7DEC3

 DADED9

 EDDEEF

 FFDEFF

# Harmonies

## Analogous

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



C3CE0F



68DE54



00E69E

# Triad

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



68DE54



00D8FF



FF7B9F

# Complementary

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



68DE54



CA54DE

# 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.



FF7FEB



68DE54



7ABFFF

# Square

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



68DE54



00E4FF



FC9EFF



FF9559

# Rectangle

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



68DE54



00E8D3



FC9EFF



FF78B8

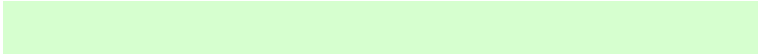


# Sweetspot

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



68DE54



D6FFCF



DEC954



668062



000000



808080



# Same Dimension

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



68DE54



5BFF40



54DE84



677065



1AB000



073000



# Inverse Universe

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



CA54DE



E340FF



DE54AE



6F6570



9600B0

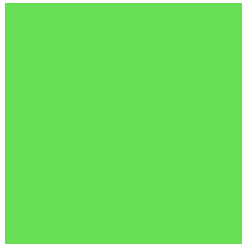


290030



# Previews

## White Background



This preview shows how the Hex color 68DE54 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 68DE54 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

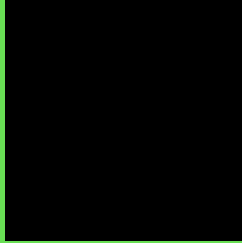
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 68DE54 Background



This preview shows how black text looks on a background with the Hex color 68DE54.

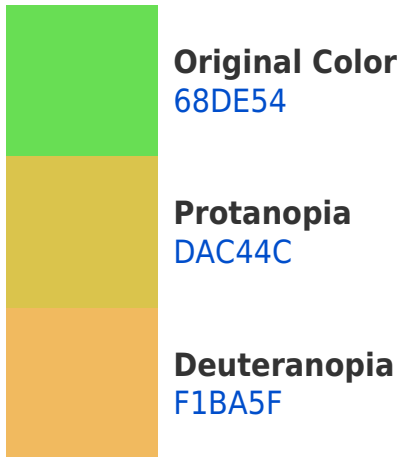


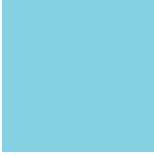
This preview shows how white text looks on a background with the Hex color 68DE54.

# 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](#).

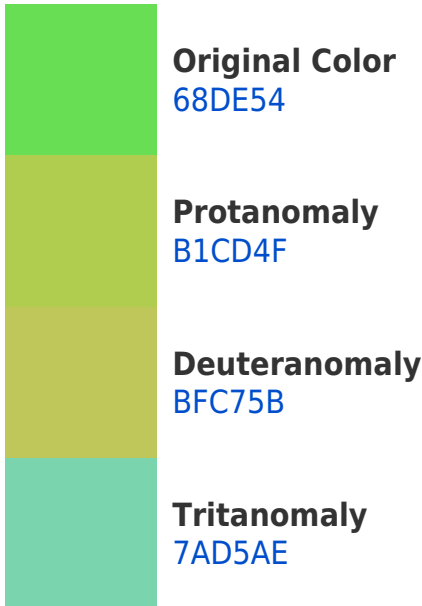
## Dichromacy



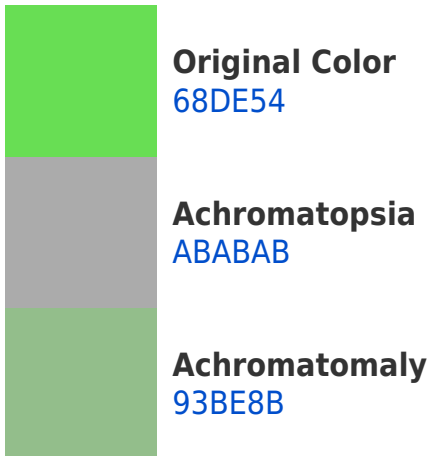


**Tritanopia**  
85D0E1

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 68DE54 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 #68DE54 looks like.

```
.text, #text, p{  
    color:#68DE54  
}
```

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 #68DE54 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #68DE54
}
```

## Border

The CSS property to change the border of an element to Hex 68DE54 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
#68DE54 }
```

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

```
.border{ border-color:#68DE54 }
```

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

Here you see how a box with a 4 pixel #68DE54 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #68DE54; -webkit-box-shadow:4px 4px  
4px 4px #68DE54; box-shadow:4px 4px 4px  
4px #68DE54 }
```

# Background

The CSS property to change the background color of an element to Hex 68DE54 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#68DE54 }
```

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

```
.background{ background-color:#68DE54 }
```

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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