

# Converting Colors

Hex(64DF5E)

Have a look what the booklet for  
Hex(64DF5E) contains.

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**Color**

**Hex(64DF5E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	64DF5E
RGB	100, 223, 94
RGB Percent	39%, 87%, 37%
CMY	0.6078, 0.1255, 0.6314
CMYK	0.55, 0.00, 0.58, 0.13
HSL	117°, 67%, 62%
HSV	117°, 58%, 87%
XYZ	33.6636, 56.2928, 19.6810
YIQ	171.5170, -31.8990, -66.1950

# Conversions

## Conversions Part 2

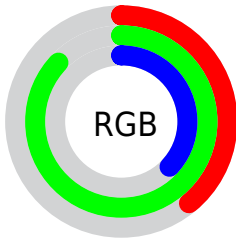
Format	Color
<b>RYB</b>	94, 223, 217
Decimal	6610782
CIELab	79.78, -59.08, 52.06
CIELCh	80, 78.745, 138.618
Yxy	56.2928, 0.3070, 0.5134
Android (android.graphics.Color)	4284800862 (0xFF64DF5E)
YUV	171.5170, -38.2159, -62.7204
Hunter-Lab	75.0285, -51.2111, 36.9674

# Details

The Hex color **64DF5E** 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 **D95EDF**, and the grayscale version is **ACACAC**.

A 20% lighter version of the original color is **A0FF94**, and **1AA728** is the 20% darker color. If you saturate the color by 10%, you get **4FDF48**, and if you desaturate by 10%, it is **79DF74**.

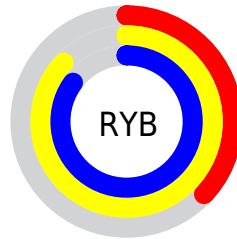
# Distribution



Red (39%)

Green (87%)

Blue (37%)



Red (37%)

Yellow (87%)

Blue (85%)

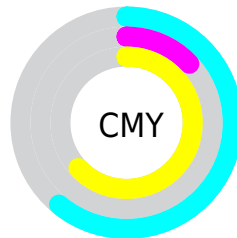


Cyan (55%)

Magenta (0%)

Yellow (58%)

Black (13%)



Cyan (61%)

Magenta (13%)

Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 64DF5E 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 64DF5E by changing the saturation by 10% instead.



 64DF5E

 64DF5E

FFFFFF

 44C343

 A0FF94

 1AA728

 BEFFB0

 008B03

 DCFECC

 007100

 FAFFE9

 005700

 003E00

 002700

 000000

 64DF5E

 64DF5E

 4DFD48

 79DF74

 39DF31

 8FDF8B

 24DF1B

 A4DFA1

 0FDF05

 B9DFB7

 0ADF00

 CEDFCE

 E4DFE4

 F9DFFA

 FFDFFF

# Harmonies

## Analogous

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



BFD023



64DF5E



00E7A6

# Triad

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



64DF5E



00D6FF



FF819B

# Complementary

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



64DF5E



D95EDF

# Split Complementary

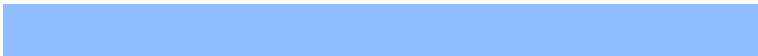
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



FF82E5



64DF5E



8EBEFF

# Square

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



64DF5E



00E4FF



FF9DFF



FF9A59

# Rectangle

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



64DF5E



00E8DA



FF9DFF



FF7DB4

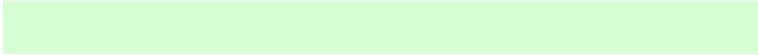


# Sweetspot

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



64DF5E



D6FFD4



DFD95E



678066



000000



808080



# Same Dimension

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



64DF5E



57FF4F



5EDF98



667065



08B000



023000



# Inverse Universe

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



D95EDF



F74FFF



DF5EA5



706570



A800B0

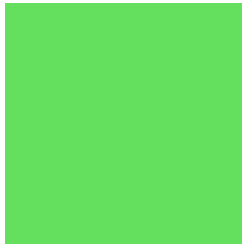


2E0030



# Previews

## White Background



This preview shows how the Hex color 64DF5E 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 64DF5E looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

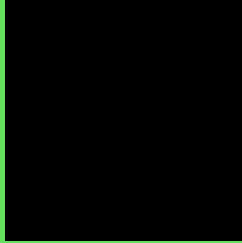
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 64DF5E Background



This preview shows how black text looks on a background with the Hex color 64DF5E.

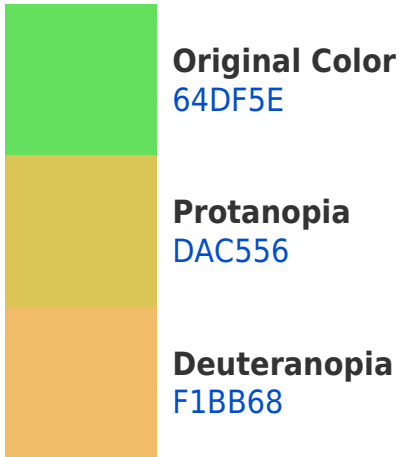


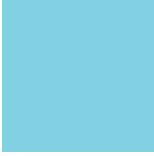
This preview shows how white text looks on a background with the Hex color 64DF5E.

# 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](#).

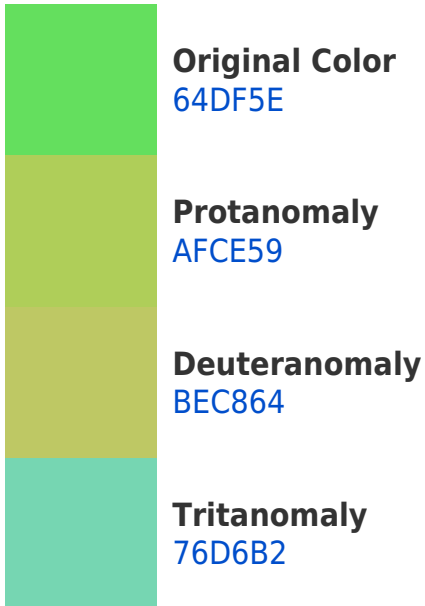
## Dichromacy



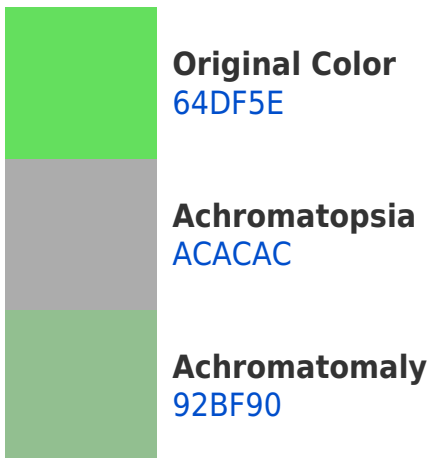


**Tritanopia**  
81D1E2

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 64DF5E 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 #64DF5E looks like.

```
.text, #text, p{  
    color:#64DF5E  
}
```

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 #64DF5E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #64DF5E
}
```

## Border

The CSS property to change the border of an element to Hex 64DF5E 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
#64DF5E }
```

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

```
.border{ border-color:#64DF5E }
```

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

Here you see how a box with a 4 pixel #64DF5E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #64DF5E; -webkit-box-shadow:4px 4px  
4px 4px #64DF5E; box-shadow:4px 4px 4px  
4px #64DF5E }
```

# Background

The CSS property to change the background color of an element to Hex 64DF5E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#64DF5E }
```

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

```
.background{ background-color:#64DF5E }
```

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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