

# Converting Colors

Hex(64E537)

Have a look what the booklet for  
Hex(64E537) contains.

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**Color**

**Hex(64E537)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	64E537
RGB	100, 229, 55
RGB Percent	39%, 90%, 22%
CMY	0.6078, 0.1020, 0.7843
CMYK	0.56, 0.00, 0.76, 0.10
HSL	104°, 77%, 56%
HSV	104°, 76%, 90%
XYZ	33.9644, 59.0238, 13.2171
YIQ	170.5930, -21.0300, -81.4620

# Conversions

## Conversions Part 2

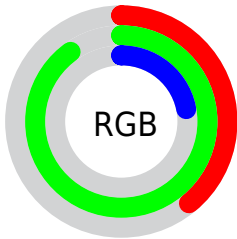
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">55, 229, 184</a>
Decimal	<a href="#">6612279</a>
CIELab	<a href="#">81.30, -64.60, 68.74</a>
CIElCh	<a href="#">81, 94.334, 133.224</a>
Yxy	<a href="#">59.0238, 0.3198, 0.5558</a>
Android (android.graphics.Color)	<a href="#">4284802359 (0xFF64E537)</a>
YUV	<a href="#">170.5930, -56.9873, -61.9101</a>
Hunter-Lab	<a href="#">76.8269, -55.5341, 43.5788</a>

# Details

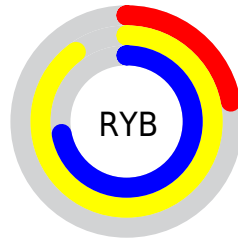
The Hex color **64E537** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **B837E5**, and the grayscale version is **ABABAB**.

A 20% lighter version of the original color is **A2FF72**, and **0EAC00** is the 20% darker color. If you saturate the color by 10%, you get **53E520**, and if you desaturate by 10%, it is **75E54E**.

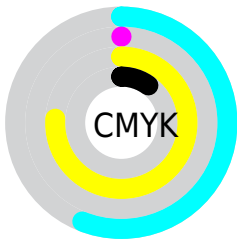
# Distribution



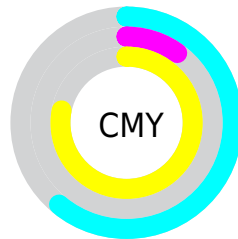
- Red (39%)
- Green (90%)
- Blue (22%)



- Red (22%)
- Yellow (90%)
- Blue (72%)



- Cyan (56%)
- Magenta (0%)
- Yellow (76%)
- Black (10%)



- Cyan (61%)
- Magenta (10%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 64E537 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 64E537 by changing the saturation by 10% instead.



 64E537

 64E537


FFFFFF

 42C80E

 A2FF72

 0EAC00

 C1FF8E

 009100

 DFFFAB

 007600

 FEFFC8

 005C00

 FFFF E5

 004300

 002B00

 000900

 000000

 64E537

 64E537

 53E520

 75E54E

 42E509

 86E565

 3BE500

 97E57C

 A8E593

 B9E5AA

 CAE5C0

 DBE5D7

 ECE5EE

 FDE5FF

# Harmonies

## Analogous

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



CED200



64E537



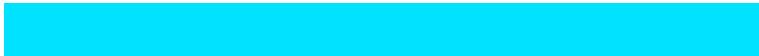
00EF94

# Triad

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



64E537



00E2FF



FF69A7

# Complementary

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



64E537



B837E5

# 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.



FF74FF



64E537



25C7FF

# Square

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



64E537



00EFFF



FE9FFF



FF8B53

# Rectangle

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



64E537



00F1D1



FE9FFF



FF66C4

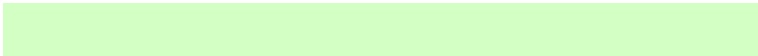


# Sweetspot

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



64E537



D4FFC4



E5B737



65805C



000000



808080



# Same Dimension

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



64E537



53FF17



37E560



6A7367



2EB300



0D3300



# Inverse Universe

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



B837E5



C317FF



E537BC



706773



8400B3

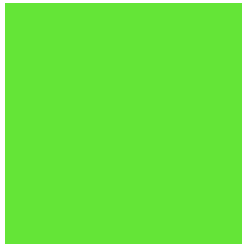


260033



# Previews

## White Background



This preview shows how the Hex color 64E537 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 64E537 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 64E537 Background



This preview shows how black text looks on a background with the Hex color 64E537.

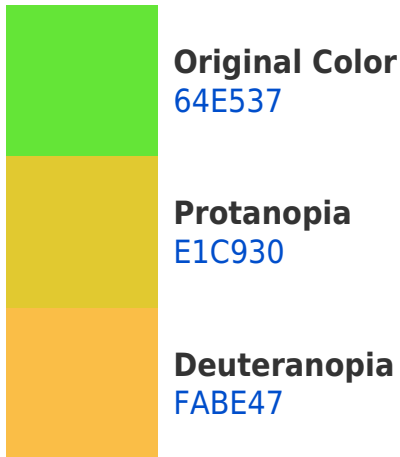


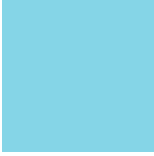
This preview shows how white text looks on a background with the Hex color 64E537.

# 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](#).

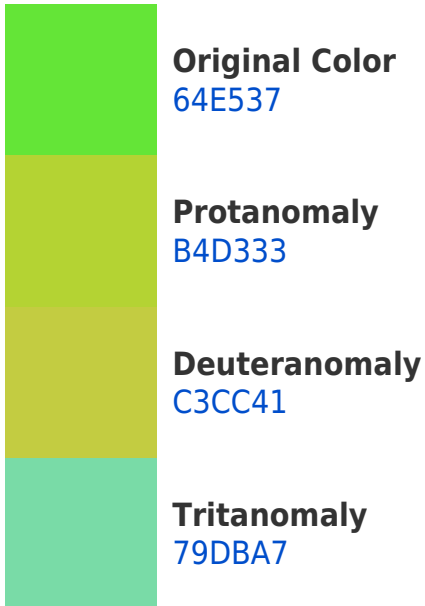
## Dichromacy



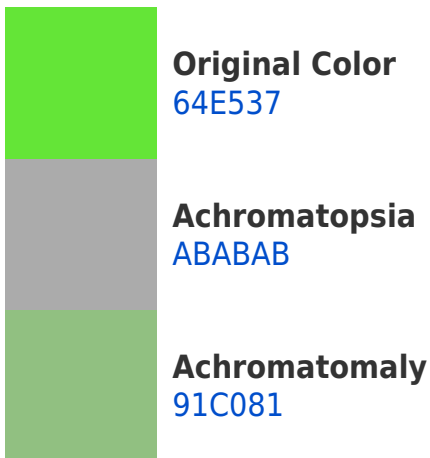


**Tritanopia**  
85D5E7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 64E537 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 #64E537 looks like.

```
.text, #text, p{  
    color:#64E537  
}
```

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 #64E537 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #64E537  
}
```

## Border

The CSS property to change the border of an element to Hex 64E537 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  
#64E537 }
```

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

```
.border{ border-color:#64E537 }
```

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

Here you see how a box with a 4 pixel #64E537 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #64E537; -webkit-box-shadow:4px 4px  
4px 4px #64E537; box-shadow:4px 4px 4px  
4px #64E537 }
```

# Background

The CSS property to change the background color of an element to Hex 64E537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#64E537 }
```

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

```
.background{ background-color:#64E537 }
```

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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