

# Converting Colors

Hex(50D650)

Have a look what the booklet for  
Hex(50D650) contains.

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**Color**

**Hex(50D650)**

# Conversions

## Conversions Part 1

Format	Color
Hex	50D650
RGB	80, 214, 80
RGB Percent	31%, 84%, 31%
CMY	0.6863, 0.1608, 0.6863
CMYK	0.63, 0.00, 0.63, 0.16
HSL	120°, 62%, 58%
HSV	120°, 63%, 84%
XYZ	28.8028, 50.3778, 15.7952
YIQ	158.6580, -36.8500, -70.0820

# Conversions

## Conversions Part 2

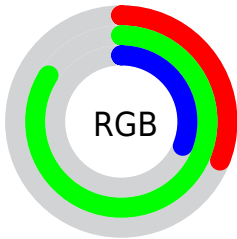
<b>Format</b>	<b>Color</b>
<b>RYB</b>	80, 214, 214
Decimal	5297744
CIELab	76.30, -62.00, 54.05
CIELCh	76, 82.257, 138.921
Yxy	50.3778, 0.3033, 0.5304
Android (android.graphics.Color)	4283487824 (0xFF50D650)
YUV	158.6580, -38.7784, -68.9831
Hunter-Lab	70.9773, -51.7745, 36.4898

# Details

The Hex color **50D650** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **D650D6**, and the grayscale version is **9F9F9F**.

A 20% lighter version of the original color is **8FFF86**, and **009E16** is the 20% darker color. If you saturate the color by 10%, you get **3BD63B**, and if you desaturate by 10%, it is **65D665**.

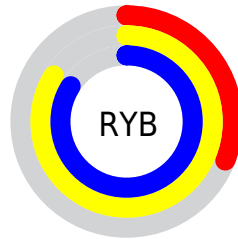
# Distribution



Red (31%)

Green (84%)

Blue (31%)



Red (31%)

Yellow (84%)

Blue (84%)

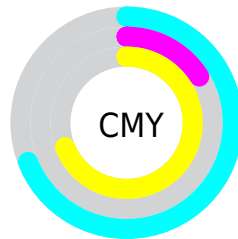


Cyan (63%)

Magenta (0%)

Yellow (63%)

Black (16%)



Cyan (69%)

Magenta (16%)

Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 50D650 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 50D650 by changing the saturation by 10% instead.



 50D650

 50D650

FFFFFF

 2ABA35

 8FFF86

 009E16

 ADFFA1

 008300

 CBFFBD

 006900

 E9FFDA

 004F00

 FFFFF7

 003700

 001E00

 000000

 50D650

 50D650

 3BD63B

 65D665

 25D625

 7BD67B

 10D610

 90D690

 00D600

 A6D6A6

 BBD6BB

 D0D6D0

 E6D6E6

 FBD6FB

 FFD6FF

# Harmonies

## Analogous

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



B3C700



50D650



00DD9C

# Triad

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



50D650



00CFFF



FF7190

# Complementary

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



50D650



D650D6

# 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.



FF72DC



50D650



7EB4FF

# Square

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



50D650



00DBFF



FB91FF



FF8E4A

# Rectangle

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



50D650



00DFD2



FB91FF



FF6DA9

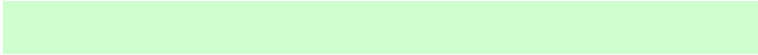


# Sweetspot

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



50D650



CFFFCF



D6D650



628062



000000



808080



# Same Dimension

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



50D650



40FF40



50D693



606B60



00AB00



002B00



# Inverse Universe

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



D650D6



FF40FF



D65093



6B606B



AB00AB

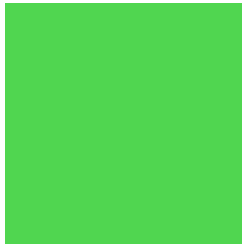


2B002B



# Previews

## White Background



This preview shows how the Hex color 50D650 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 50D650 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 50D650 Background



This preview shows how black text looks on a background with the Hex color 50D650.

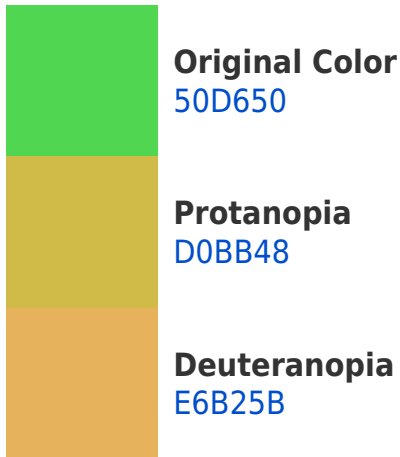


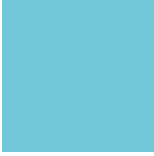
This preview shows how white text looks on a background with the Hex color 50D650.

# 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](#).

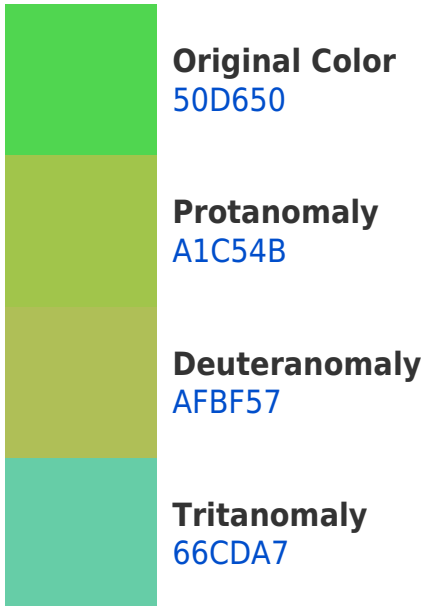
## Dichromacy



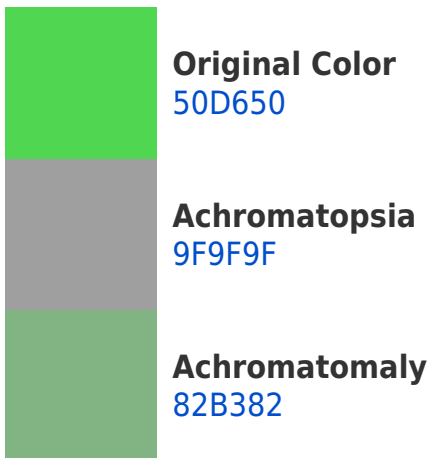


**Tritanopia**  
72C8D9

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 50D650 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 #50D650 looks like.

```
.text, #text, p{  
    color:#50D650  
}
```

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 #50D650 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #50D650
}
```

## Border

The CSS property to change the border of an element to Hex 50D650 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
#50D650 }
```

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

```
.border{ border-color:#50D650 }
```

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

Here you see how a box with a 4 pixel #50D650 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #50D650; -webkit-box-shadow:4px 4px  
4px 4px #50D650; box-shadow:4px 4px 4px  
4px #50D650 }
```

# Background

The CSS property to change the background color of an element to Hex 50D650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#50D650 }
```

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

```
.background{ background-color:#50D650 }
```

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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