

# Converting Colors

XYZ(66.4476, 69.5597, 16.8545)

Have a look what the booklet for  
XYZ(66.4476, 69.5597, 16.8545)  
contains.

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# Color

**XYZ(66.3738, 69.3843,  
16.9154)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD54D
RGB	255, 213, 77
RGB Percent	100%, 84%, 30%
CMY	0.0000, 0.1647, 0.6980
CMYK	0.00, 0.16, 0.70, 0.00
HSL	46°, 100%, 65%
HSV	46°, 70%, 100%
XYZ	66.3738, 69.3843, 16.9154
YIQ	210.0540, 68.6880, -33.3920

# Conversions

## Conversions Part 2

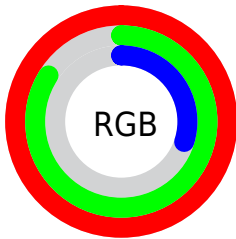
Format	Color
<a href="#">RYB</a>	<a href="#">132, 255, 77</a>
Decimal	<a href="#">16766285</a>
<a href="#">CIELab</a>	<a href="#">86.69, 0.95, 69.54</a>
<a href="#">CIElCh</a>	<a href="#">87, 69.550, 89.216</a>
<a href="#">Yxy</a>	<a href="#">69.3843, 0.4347, 0.4545</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4294956365 (0xFFFFD54D)</a>
<a href="#">YUV</a>	<a href="#">210.0540, -65.5956, 39.4176</a>
<a href="#">Hunter-Lab</a>	<a href="#">83.2972, -3.5359, 46.2679</a>

# Details

The XYZ color **66.3738, 69.3843, 16.9154** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **27.7073, 21.9908, 97.3915**, and the grayscale version is **61.6814, 64.8937, 70.6692**.

A 20% lighter version of the original color is **81.2336, 94.4735, 36.1440**, and **34.6737, 36.2766, 5.3182** is the 20% darker color. If you saturate the color by 10%, you get **64.1591, 66.1246, 12.5724**, and if you desaturate by 10%, it is **69.0005, 72.9041, 23.1371**.

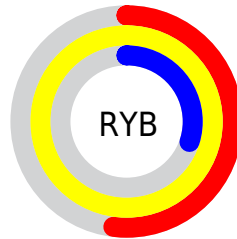
# Distribution



Red (100%)

Green (84%)

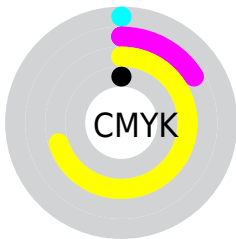
Blue (30%)



Red (52%)

Yellow (100%)

Blue (30%)

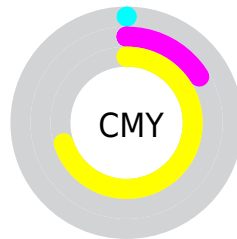


Cyan (0%)

Magenta (16%)

Yellow (70%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.3738, 69.3843, 16.9154 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 XYZ color 66.3738, 69.3843, 16.9154 by changing the saturation by 10% instead.




 66.3738, 69.3843,  
16.9154


 66.3738, 69.3843,  
16.9154


437.1801,  
458.3852, 246.7118

 48.8447, 51.0247,  
10.0129


 113.0774,  
118.3303, 38.9689


 34.7104, 36.2283,  
5.3018


 142.9827,  
149.6855, 54.9570


 23.6053, 24.6106,  
2.3636


 177.7441,  
186.1415, 74.8107

 15.1642, 15.7872,  
0.7665

 217.7269,  
228.0825, 98.9485

 9.0218, 9.3737,  
0.0000

 263.2966,  
275.8930, 127.7889

 4.8126, 4.9857,  
0.0000

314.8185,

 2.1714, 2.2389,

329.9573, 161.7506

0.0000

372.6578,  
390.6599, 201.2521

■ 0.7276, 0.7411,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 66.3738, 69.3843,  
16.9154

■ 66.3738, 69.3843,  
16.9154

■ 64.1591, 66.1246,  
12.5724

■ 69.0005, 72.9041,  
23.1371

■ 62.3070, 63.0960,  
9.8724

■ 72.0720, 76.6898,  
31.4275

■ 60.7484, 60.2728,  
8.4465

■ 75.6224, 80.7589,  
41.9580

■ 60.7190, 60.2184,  
8.4231

■ 79.6814, 85.1239,  
54.8809

■ 84.2759, 89.7967,  
70.3348

■ 89.4306, 94.7879,  
88.4482

95.0497, 99.9999,  
108.9000

# Harmonies

## Analogous

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



83.1709, 69.3843, 21.9712



66.3738, 69.3843, 16.9154



51.9085, 69.3843, 21.4410

# Triad

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



66.3738, 69.3843, 16.9154



42.3672, 69.3843, 127.8665



96.4206, 69.3843, 130.8854

# Complementary

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



66.3738, 69.3843, 16.9154



27.7073, 21.9908, 97.3915

# 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.



82.3142, 69.3843, 182.9317



66.3738, 69.3843, 16.9154



51.2832, 69.3843, 180.7447

# Square

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



66.3738, 69.3843, 16.9154



39.4926, 69.3843, 74.3365



65.5234, 69.3843, 204.1075



102.1694, 69.3843, 76.7720



# Rectangle

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



66.3738, 69.3843, 16.9154



45.0995, 69.3843, 31.0398



65.5234, 69.3843, 204.1075



92.3964, 69.3843, 149.8977

# Sweetspot

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



66.3754, 69.3876, 16.9168



83.6970, 89.2209, 68.3463



47.3761, 27.9611, 21.1514



17.6352, 18.8163, 13.6785



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



66.3754, 69.3876, 16.9168



63.3405, 64.8263, 11.2539



63.8206, 85.8307, 20.2253



19.1767, 20.3215, 19.0561



31.8478, 31.7068, 4.4415



3.1844, 3.2541, 0.4603



# Inverse Universe

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



27.7073, 21.9908, 97.3915



22.7262, 15.2267, 96.3490



28.6599, 16.6297, 96.3065



17.3508, 18.0732, 22.8239



10.3745, 5.6585, 49.9800



1.0897, 0.7101, 4.8929



# Previews

## White Background



This preview shows how the XYZ color 66.3738, 69.3843, 16.9154 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 XYZ color 66.3738, 69.3843, 16.9154 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](#).

# XYZ 66.3738, 69.3843, 16.9154

## Background



This preview shows how black text looks on a background with the XYZ color 66.3738, 69.3843, 16.9154.



This preview shows how white text looks on a background with the XYZ color 66.3738, 69.3843,



# 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



### Original Color

66.3738, 69.3843, 16.9154

### Protanopia

63.4087, 69.7476, 17.3284

### Deuteranopia

69.2445, 69.3364, 35.7203



## Tritanopia

75.0986, 69.3520, 73.7181

# Trichromacy



## Original Color

66.3738, 69.3843, 16.9154

## Protanomaly

64.2888, 69.4359, 17.2218

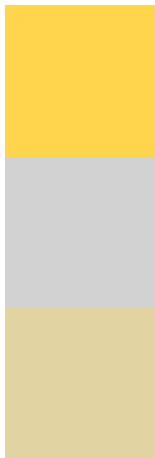
## Deuteranomaly

67.8640, 69.1804, 27.2291

## Tritanomaly

70.3444, 68.6023, 45.1313

# Monochromacy



## Original Color

66.3738, 69.3843, 16.9154

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

61.1799, 65.3659, 43.5748

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.3738, 69.3843, 16.9154 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 `rgb(255, 213, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 77)  
}
```

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 rgb(255, 213, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 77) }
```

## Border

The CSS property to change the border of an element to XYZ 66.3738, 69.3843, 16.9154 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 rgb(255, 213, 77) }
```



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

```
.border{ border-color:rgb(255, 213, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 213, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
77) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.3738, 69.3843, 16.9154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 77) }
```

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

```
.background{ background-color: rgb(255,  
213, 77) }
```

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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