

Converting Colors

XYZ(66.4544, 69.5729, 16.8578)

Have a look what the booklet for
XYZ(66.4544, 69.5729, 16.8578)
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

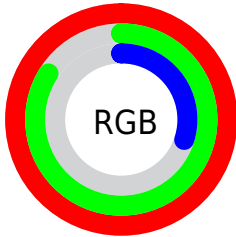
Format	Color
RYB	132, 255, 77
Decimal	16766285
CIELab	86.69, 0.95, 69.54
CIELCh	87, 69.550, 89.216
Yxy	69.3843, 0.4347, 0.4545
Android (android.graphics.Color)	4294956365 (0xFFFFD54D)
YUV	210.0540, -65.5956, 39.4176
Hunter-Lab	83.2972, -3.5359, 46.2679

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**.

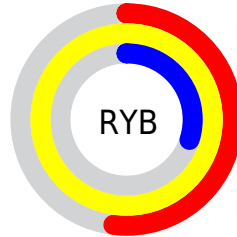
Distribution



Red (100%)

Green (84%)

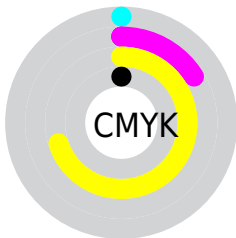
Blue (30%)



Red (52%)

Yellow (100%)

Blue (30%)

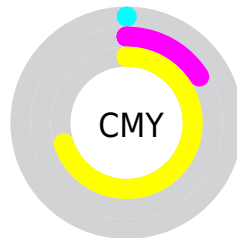


Cyan (0%)

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

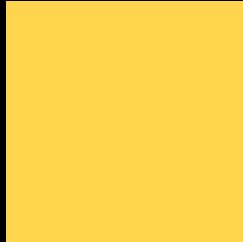
Large Text (above 18pt) WCAG AA × Fail

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

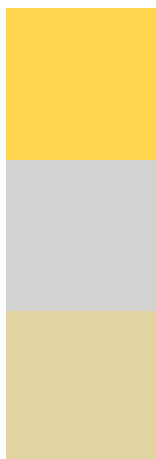
Deuteranomaly

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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