

Converting Colors

XYZ(66.1285, 70.0809, 13.1736)

Have a look what the booklet for
XYZ(66.1285, 70.0809, 13.1736)
contains.

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Color

**XYZ(66.1380, 70.0999,
13.1768)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD733
RGB	255, 215, 51
RGB Percent	100%, 84%, 20%
CMY	0.0000, 0.1568, 0.8000
CMYK	0.00, 0.16, 0.80, 0.00
HSL	48°, 100%, 60%
HSV	48°, 80%, 100%
XYZ	66.1380, 70.0999, 13.1768
YIQ	208.2640, 76.4840, -42.5240

Conversions

Conversions Part 2

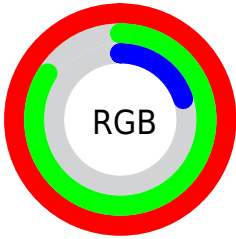
Format	Color
RYB	101, 255, 51
Decimal	16766771
CIELab	87.05, -1.09, 78.74
CIELCh	87, 78.746, 90.794
Yxy	70.0999, 0.4426, 0.4692
Android (android.graphics.Color)	4294956851 (0xFFFFD733)
YUV	208.2640, -77.5312, 40.9875
Hunter-Lab	83.7257, -5.5162, 49.2769

Details

The XYZ color **66.1380, 70.0999, 13.1768** 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 **23.1566, 15.4061, 96.3603**, and the grayscale version is **60.5805, 63.7354, 69.4079**.

A 20% lighter version of the original color is **79.9246, 93.9499, 29.2509**, and **34.9930, 36.9591, 5.2895** is the 20% darker color. If you saturate the color by 10%, you get **64.4692, 67.4292, 10.5659**, and if you desaturate by 10%, it is **68.1567, 72.9783, 17.4243**.

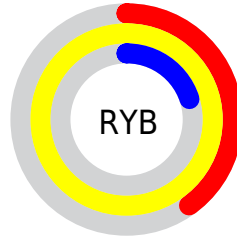
Distribution



Red (100%)

Green (84%)

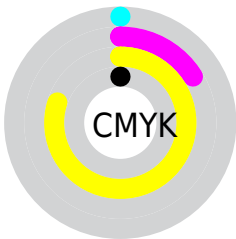
Blue (20%)



Red (40%)

Yellow (100%)

Blue (20%)

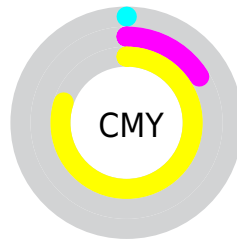


Cyan (0%)

Magenta (16%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (16%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.1380, 70.0999, 13.1768 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 66.1380, 70.0999, 13.1768 by changing the saturation by 10% instead.


 66.1380, 70.0999,
13.1768

 66.1380, 70.0999,
13.1768


436.3511,
460.9007, 223.2951

 48.6526, 51.6080,
7.4182


 112.7410,
119.3512, 32.3169


 34.5573, 36.6927,
3.6426


 142.5893,
150.8794, 46.5355


 23.4870, 24.9697,
1.4314

 177.2892,
187.5218, 64.4112

 15.0762, 16.0544,
0.1660

 217.2062,
229.6628, 86.3625

 8.9595, 9.5627,
0.0000

 262.7055,
277.6868, 112.8081

 4.7717, 5.1100,
0.0000

314.1525,

 2.1473, 2.3119,

331.9782, 144.1663

0.0000

371.9126,
392.9213, 180.8558

■ 0.7147, 0.7800,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.1380, 70.0999,
13.1768

■ 66.1380, 70.0999,
13.1768

■ 64.4692, 67.4292,
10.5659

■ 68.1567, 72.9783,
17.4243

■ 63.0731, 64.9265,
9.2080

■ 70.5650, 76.0726,
23.5366

■ 63.0727, 64.9258,
9.2076

■ 73.4017, 79.4016,
31.7098

■ 76.6995, 82.9788,
42.1141

■ 80.4876, 86.8165,
54.9020

■ 84.7927, 90.9260,
70.2125

■ 89.6395, 95.3175,
88.1739

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



85.4587, 70.0999, 17.5919



66.1380, 70.0999, 13.1768



50.0824, 70.0999, 18.1259

Triad

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



66.1380, 70.0999, 13.1768



40.5872, 70.0999, 140.9669



102.5941, 70.0999, 137.3319

Complementary

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



66.1380, 70.0999, 13.1768



23.1566, 15.4061, 96.3603

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.



86.4667, 70.0999, 200.9148



66.1380, 70.0999, 13.1768



50.7888, 70.0999, 203.6079

Square

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



66.1380, 70.0999, 13.1768



37.1041, 70.0999, 77.7419



67.1201, 70.0999, 229.4265



108.7148, 70.0999, 74.9291

Rectangle

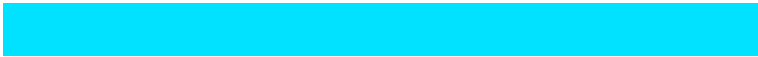
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.1380, 70.0999, 13.1768



42.7677, 70.0999, 28.4688



67.1201, 70.0999, 229.4265



98.0328, 70.0999, 160.1325

Sweetspot

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



66.1396, 70.1033, 13.1782



83.0063, 89.2483, 63.7730



44.3471, 24.3975, 12.4526



17.4417, 18.7911, 12.4982



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.



66.1396, 70.1033, 13.1782



63.6105, 65.9115, 9.6625



58.5547, 83.2017, 16.1062



19.2409, 20.4499, 19.0775



33.0641, 34.1394, 4.8469



3.2930, 3.4713, 0.4965

Inverse Universe

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



23.1566, 15.4061, 96.3603



19.7005, 10.3314, 95.5636



25.9422, 13.0465, 95.7580



17.2913, 17.9541, 22.8041



10.1086, 5.1267, 49.8914



1.0559, 0.6425, 4.8816

Previews

White Background



This preview shows how the XYZ color 66.1380, 70.0999, 13.1768 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 66.1380, 70.0999, 13.1768 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 66.1380, 70.0999, 13.1768

Background



This preview shows how black text looks on a background with the XYZ color 66.1380, 70.0999, 13.1768.



This preview shows how white text looks on a background with the XYZ color 66.1380, 70.0999,

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

66.1380, 70.0999, 13.1768

Protanopia

63.6075, 70.3234, 13.4701

Deuteranopia

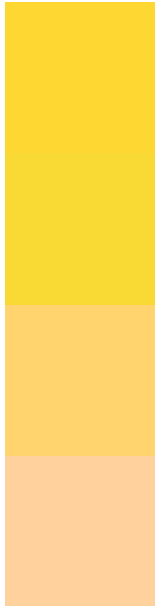
69.6451, 69.8929, 36.6080



Tritanopia

75.4660, 69.8805, 74.4765

Trichromacy



Original Color

66.1380, 70.0999, 13.1768

Protanomaly

64.7582, 70.5305, 13.4494

Deuteranomaly

67.6527, 69.4947, 24.8871

Tritanomaly

70.0412, 69.2612, 41.1297

Monochromacy



Original Color

66.1380, 70.0999, 13.1768

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

59.9315, 64.8304, 38.6330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.1380, 70.0999, 13.1768 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, 215, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 51)  
}
```

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, 215, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 51) }
```

Border

The CSS property to change the border of an element to XYZ 66.1380, 70.0999, 13.1768 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, 215, 51) }
```


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

```
.border{ border-color:rgb(255, 215, 51) }
```

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

Here you see how a box with a 4 pixel rgb(255, 215, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 66.1380, 70.0999, 13.1768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 51) }
```

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

```
.background{ background-color: rgb(255,  
215, 51) }
```

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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