

Converting Colors

XYZ(66.8740, 71.6249, 13.2585)

Have a look what the booklet for
XYZ(66.8740, 71.6249, 13.2585)
contains.

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Color

**XYZ(66.8658, 71.6246,
13.2064)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDA31
RGB	255, 218, 49
RGB Percent	100%, 85%, 19%
CMY	0.0000, 0.1451, 0.8078
CMYK	0.00, 0.15, 0.81, 0.00
HSL	49°, 100%, 60%
HSV	49°, 81%, 100%
XYZ	66.8658, 71.6246, 13.2064
YIQ	209.7970, 76.3010, -44.7150

Conversions

Conversions Part 2

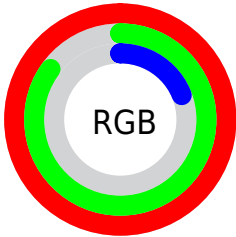
Format	Color
R _Y B	94, 255, 49
Decimal	16767537
CIE Lab	87.79, -2.67, 79.94
CIE LCh	88, 79.988, 91.912
Yxy	71.6246, 0.4408, 0.4722
Android (android.graphics.Color)	4294957617 (0xFFFFDA31)
YUV	209.7970, -79.2729, 39.6430
Hunter-Lab	84.6313, -7.0749, 49.9899

Details

The XYZ color **66.8658, 71.6246, 13.2064** 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 **22.6446, 14.5286, 96.2178**, and the grayscale version is **61.5961, 64.8039, 70.5714**.

A 20% lighter version of the original color is **79.8692, 93.9277, 28.9592**, and **35.5236, 38.0203, 5.4663** is the 20% darker color. If you saturate the color by 10%, you get **65.3014, 69.1277, 10.7387**, and if you desaturate by 10%, it is **68.7701, 74.3156, 17.2883**.

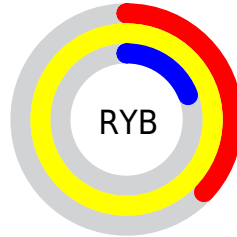
Distribution



Red (100%)

Green (85%)

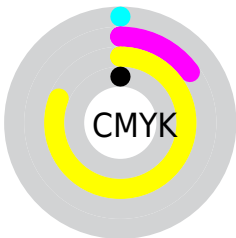
Blue (19%)



Red (37%)

Yellow (100%)

Blue (19%)

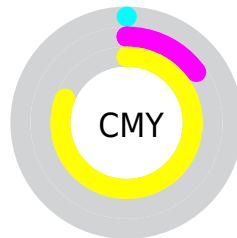


Cyan (0%)

Magenta (15%)

Yellow (81%)

Black (0%)



Cyan (0%)

Magenta (15%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.8658, 71.6246, 13.2064 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 66.8658, 71.6246, 13.2064 by changing the saturation by 10% instead.

66.8658, 71.6246,
13.2064

66.8658, 71.6246,
13.2064

438.9069,
466.2339, 223.4903

49.2459, 52.8521,
7.4384

113.7790,
121.5227, 32.3707

35.0299, 37.6847,
3.6552

143.8029,
153.4170, 46.6041

23.8525, 25.7381,
1.4382

178.6922,
190.4540, 64.4964

15.3484, 16.6278,
0.1712

218.8123,
233.0182, 86.4662

9.1522, 9.9695,
0.0000

264.5284,
281.4939, 112.9319

4.8985, 5.3787,
0.0000

316.2060,

2.2220, 2.4711,

336.2655, 144.3121

0.0000

374.2104,
397.7173, 181.0254

■ 0.7543, 0.8621,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.8658, 71.6246,
13.2064

■ 66.8658, 71.6246,
13.2064

■ 65.3014, 69.1277,
10.7387

■ 68.7701, 74.3156,
17.2883

■ 64.0908, 66.9620,
9.5470

■ 71.0547, 77.2088,
23.2162

■ 73.7587, 80.3232,
31.1886

■ 76.9150, 83.6722,
41.3775

■ 80.5531, 87.2680,
53.9364

■ 84.6998, 91.1217,
69.0053

■ 89.3797, 95.2437,
86.7132

94.6160, 99.6435,
107.1802

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.



86.7578, 71.6246, 17.3251



66.8658, 71.6246, 13.2064



50.5407, 71.6246, 18.6369

Triad

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



66.8658, 71.6246, 13.2064



41.5463, 71.6246, 147.3622



105.6419, 71.6246, 138.3158

Complementary

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



66.8658, 71.6246, 13.2064



22.6446, 14.5286, 96.2178

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.



89.2623, 71.6246, 204.7060



66.8658, 71.6246, 13.2064



52.2909, 71.6246, 211.4184

Square

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



66.8658, 71.6246, 13.2064



37.7143, 71.6246, 81.5290



69.3028, 71.6246, 236.1585



111.4836, 71.6246, 74.5491

Rectangle

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



66.8658, 71.6246, 13.2064



43.1910, 71.6246, 29.6282



69.3028, 71.6246, 236.1585



101.0523, 71.6246, 161.9231

Sweetspot

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



66.8674, 71.6281, 13.2078



83.3087, 89.8532, 63.8738



44.0493, 24.1415, 11.3062



17.5153, 18.9384, 12.5228



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.



66.8674, 71.6281, 13.2078



64.4721, 67.6572, 9.8808



57.4916, 82.6586, 15.8311



19.2675, 20.5031, 19.0863



33.5897, 35.1907, 5.0221



3.3396, 3.5646, 0.5120

Inverse Universe

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



22.6446, 14.5286, 96.2178



19.3768, 9.7315, 95.4648



26.1189, 13.0105, 95.7417



17.2668, 17.9051, 22.7959



10.0134, 4.9365, 49.8597



1.0432, 0.6171, 4.8774

Previews

White Background



This preview shows how the XYZ color 66.8658, 71.6246, 13.2064 looks on a white background.

Color Contrast Check

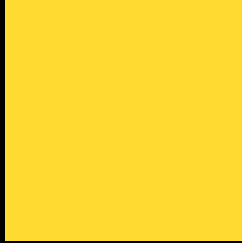
Large Text (above 18pt) WCAG AA × Fail

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 66.8658, 71.6246, 13.2064 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 66.8658, 71.6246, 13.2064

Background



This preview shows how black text looks on a background with the XYZ color 66.8658, 71.6246, 13.2064.



This preview shows how white text looks on a background with the XYZ color 66.8658, 71.6246,

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

66.8658, 71.6246, 13.2064

Protanopia

65.1436, 71.8997, 13.4622

Deuteranopia

71.0363, 71.6530, 40.2234



Tritanopia

76.5821, 71.4862, 76.7797

Trichromacy



Original Color

66.8658, 71.6246, 13.2064

Protanomaly

65.9526, 71.9259, 13.4246

Deuteranomaly

68.6350, 71.0987, 26.3256

Tritanomaly

70.8693, 70.7813, 41.8252

Monochromacy



Original Color

66.8658, 71.6246, 13.2064

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

60.7442, 65.9916, 38.8143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8658, 71.6246, 13.2064 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, 218, 49)` looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 49)  
}
```

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, 218, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 49) }
```

Border

The CSS property to change the border of an element to XYZ 66.8658, 71.6246, 13.2064 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, 218, 49) }
```


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

```
.border{ border-color:rgb(255, 218, 49) }
```

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

Here you see how a box with a 4 pixel rgb(255, 218, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 218, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 218, 49);  
box-shadow:4px 4px 4px 4px rgb(255, 218,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8658, 71.6246, 13.2064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 218, 49) }
```

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

```
.background{ background-color: rgb(255,  
218, 49) }
```

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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