

Converting Colors

XYZ(65.6606, 69.1447, 13.0205)

Have a look what the booklet for
XYZ(65.6606, 69.1447, 13.0205)
contains.

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Color

**XYZ(65.6318, 69.0875,
13.0080)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD533
RGB	255, 213, 51
RGB Percent	100%, 84%, 20%
CMY	0.0000, 0.1647, 0.8000
CMYK	0.00, 0.16, 0.80, 0.00
HSL	48°, 100%, 60%
HSV	48°, 80%, 100%
XYZ	65.6318, 69.0875, 13.0080
YIQ	207.0900, 77.0340, -41.4780

Conversions

Conversions Part 2

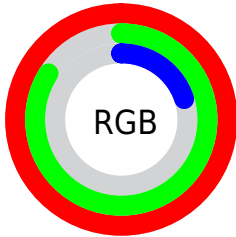
Format	Color
RYB	104, 255, 51
Decimal	16766259
CIELab	86.55, -0.08, 78.30
CIELCh	87, 78.303, 90.055
Yxy	69.0875, 0.4443, 0.4677
Android (android.graphics.Color)	4294956339 (0xFFFFD533)
YUV	207.0900, -76.9524, 42.0171
Hunter-Lab	83.1189, -4.5120, 48.9044

Details

The XYZ color **65.6318, 69.0875, 13.0080** 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 **23.3297, 15.7525, 96.4180**, and the grayscale version is **59.8139, 62.9289, 68.5296**.

A 20% lighter version of the original color is **79.8692, 93.9277, 28.9592**, and **34.6463, 36.2656, 5.1739** is the 20% darker color. If you saturate the color by 10%, you get **63.9175, 66.3259, 10.3820**, and if you desaturate by 10%, it is **67.6998, 72.0644, 17.2719**.

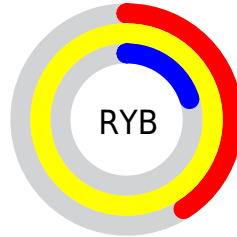
Distribution



Red (100%)

Green (84%)

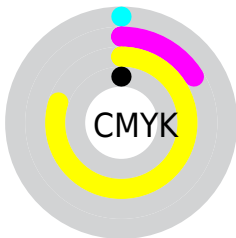
Blue (20%)



Red (41%)

Yellow (100%)

Blue (20%)

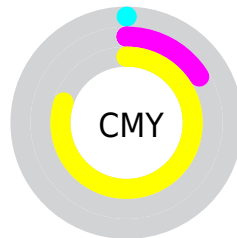


Cyan (0%)

Magenta (16%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (16%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.6318, 69.0875, 13.0080 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 65.6318, 69.0875, 13.0080 by changing the saturation by 10% instead.


 65.6318, 69.0875,
13.0080

 65.6318, 69.0875,
13.0080


434.5683,
457.3395, 222.1786


 48.2402, 50.7830,
7.3033


 112.0184,
117.9065, 32.0096

 34.2292, 36.0359,
3.5712


 141.7440,
149.1898, 46.1435


 23.2334, 24.4619,
1.3932


 176.3117,
185.5682, 63.9241

 14.8876, 15.6766,
0.1364

 216.0868,
227.4260, 85.7702

 8.8263, 9.2956,
0.0000

 261.4347,
275.1476, 112.1001

 4.6843, 4.9345,
0.0000

312.7206,

 2.0961, 2.2089,

329.1175, 143.3324

0.0000

370.3101,
389.7200, 179.8858

■ 0.6871, 0.7248,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.6318, 69.0875,
13.0080

■ 65.6318, 69.0875,
13.0080

■ 63.9175, 66.3259,
10.3820

■ 67.6998, 72.0644,
17.2719

■ 62.4798, 63.7399,
9.0102

■ 70.1612, 75.2651,
23.4018

■ 62.4794, 63.7392,
9.0099

■ 73.0550, 78.7083,
31.5940

■ 76.4139, 82.4077,
42.0186

■ 80.2672, 86.3758,
54.8282

■ 84.6416, 90.6238,
70.1617

■ 89.5618, 95.1621,
88.1476

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.



84.6712, 69.0875, 17.6041



65.6318, 69.0875, 13.0080



49.6921, 69.0875, 17.6409

Triad

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



65.6318, 69.0875, 13.0080



39.8545, 69.0875, 137.2054



100.7846, 69.0875, 136.9552

Complementary

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



65.6318, 69.0875, 13.0080



23.3297, 15.7525, 96.4180

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.



84.7406, 69.0875, 199.1297



65.6318, 69.0875, 13.0080



49.7407, 69.0875, 199.3150

Square

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



65.6318, 69.0875, 13.0080



36.5846, 69.0875, 75.3214



65.6994, 69.0875, 225.9687



107.1111, 69.0875, 75.1278

Rectangle

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



65.6318, 69.0875, 13.0080



42.3796, 69.0875, 27.5718



65.6994, 69.0875, 225.9687



96.2192, 69.0875, 159.3704

Sweetspot

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



65.6334, 69.0909, 13.0094



82.8270, 88.8898, 63.7132



44.4987, 24.4581, 13.2509



17.3980, 18.7038, 12.4837



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.



65.6334, 69.0909, 13.0094



63.0334, 64.7573, 9.4701



59.4362, 83.6561, 16.1474



19.2250, 20.4183, 19.0722



32.7577, 33.5266, 4.7448



3.2657, 3.4168, 0.4874

Inverse Universe

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



23.3297, 15.7525, 96.4180



19.8248, 10.5800, 95.6050



25.5167, 12.8270, 95.7381



17.3059, 17.9833, 22.8090



10.1692, 5.2480, 49.9116



1.0638, 0.6583, 4.8843

Previews

White Background



This preview shows how the XYZ color 65.6318, 69.0875, 13.0080 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 65.6318, 69.0875, 13.0080 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 65.6318, 69.0875, 13.0080

Background



This preview shows how black text looks on a background with the XYZ color 65.6318, 69.0875, 13.0080.



This preview shows how white text looks on a background with the XYZ color 65.6318, 69.0875,

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

65.6318, 69.0875, 13.0080

Protanopia

62.7409, 69.1067, 13.2809

Deuteranopia

68.9468, 69.2173, 34.1525



Tritanopia

74.8617, 68.8782, 73.6392

Trichromacy



Original Color

65.6318, 69.0875, 13.0080

Protanomaly

63.8871, 69.3161, 13.2610

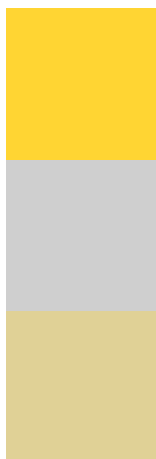
Deuteranomaly

67.1881, 68.9101, 23.6697

Tritanomaly

69.4692, 68.2522, 40.5229

Monochromacy



Original Color

65.6318, 69.0875, 13.0080

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

59.0460, 63.6502, 38.0278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.6318, 69.0875, 13.0080 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 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, 213, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 51) }
```

Border

The CSS property to change the border of an element to XYZ 65.6318, 69.0875, 13.0080 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, 51) }
```


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

```
.border{ border-color:rgb(255, 213, 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, 213, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 65.6318, 69.0875, 13.0080 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, 51) }
```

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

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