

Converting Colors

XYZ(65.2374, 68.4105, 12.5322)

Have a look what the booklet for
XYZ(65.2374, 68.4105, 12.5322)
contains.

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Color

**XYZ(65.3170, 68.5604,
12.5872)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD430
RGB	255, 212, 48
RGB Percent	100%, 83%, 19%
CMY	0.0000, 0.1686, 0.8117
CMYK	0.00, 0.17, 0.81, 0.00
HSL	48°, 100%, 59%
HSV	48°, 81%, 100%
XYZ	65.3170, 68.5604, 12.5872
YIQ	206.1610, 78.2720, -41.8880

Conversions

Conversions Part 2

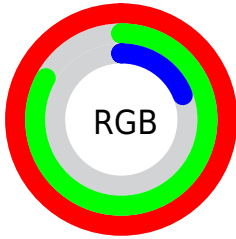
Format	Color
R _Y B	102, 255, 48
Decimal	16766000
CIE Lab	86.29, 0.34, 78.93
CIE LCh	86, 78.927, 89.751
Yxy	68.5604, 0.4460, 0.4681
Android (android.graphics.Color)	4294956080 (0xFFFFD430)
YUV	206.1610, -77.9734, 42.8318
Hunter-Lab	82.8012, -4.0940, 48.9478

Details

The XYZ color **65.3170, 68.5604, 12.5872** 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 **23.0102, 15.3306, 96.3534**, and the grayscale version is **59.2203, 62.3044, 67.8494**.

A 20% lighter version of the original color is **79.7603, 93.8841, 28.3856**, and **34.4750, 35.9231, 5.1168** is the 20% darker color. If you saturate the color by 10%, you get **63.6322, 65.8053, 10.1329**, and if you desaturate by 10%, it is **67.3503, 71.5298, 16.6487**.

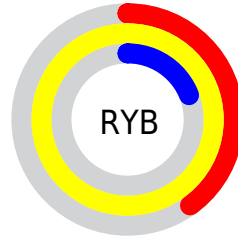
Distribution



Red (100%)

Green (83%)

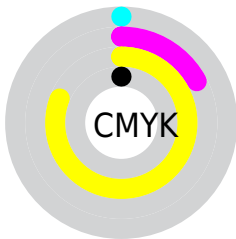
Blue (19%)



Red (40%)

Yellow (100%)

Blue (19%)

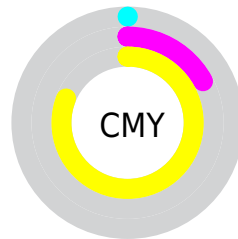


Cyan (0%)

Magenta (17%)

Yellow (81%)

Black (0%)



Cyan (0%)

Magenta (17%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.3170, 68.5604, 12.5872 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 65.3170, 68.5604, 12.5872 by changing the saturation by 10% instead.

65.3170, 68.5604,
12.5872

65.3170, 68.5604,
12.5872

433.4575,
455.4790, 219.3690

47.9838, 50.3538,
7.0175

111.5687,
117.1535, 31.2404

34.0253, 35.6946,
3.3945

141.2178,
148.3087, 45.1610

23.0760, 24.1984,
1.2994

175.7031,
184.5490, 62.7023

14.7706, 15.4809,
0.0613

215.3897,
226.2586, 84.2830

8.7438, 9.1576,
0.0000

260.6431,
273.8220, 110.3214

4.6302, 4.8441,
0.0000

311.8287,

2.0645, 2.1561,

327.6236, 141.2362

0.0000

369.3117,
388.0478, 177.4459

■ 0.6698, 0.6959,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.3170, 68.5604,
12.5872

■ 65.3170, 68.5604,
12.5872

■ 63.6322, 65.8053,
10.1329

■ 67.3503, 71.5298,
16.6487

■ 62.3686, 63.5177,
8.9730

■ 69.7730, 74.7225,
22.5516

■ 72.6247, 78.1575,
30.4955

■ 75.9386, 81.8488,
40.6531

■ 79.7444, 85.8089,
53.1787

■ 84.0691, 90.0492,
68.2128

■ 88.9376, 94.5803,
85.8848

■ 94.3732, 99.4120,
106.3153

■ 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.



84.4326, 68.5604, 17.2284



65.3170, 68.5604, 12.5872



49.2952, 68.5604, 17.0648

Triad

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



65.3170, 68.5604, 12.5872



39.2581, 68.5604, 136.2504



100.3127, 68.5604, 137.3816

Complementary

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



65.3170, 68.5604, 12.5872



23.0102, 15.3306, 96.3534

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.



84.1195, 68.5604, 199.8595



65.3170, 68.5604, 12.5872



49.0765, 68.5604, 199.0198

Square

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



65.3170, 68.5604, 12.5872



36.0590, 68.5604, 74.2154



65.0124, 68.5604, 226.4268



106.8002, 68.5604, 75.0876

Rectangle

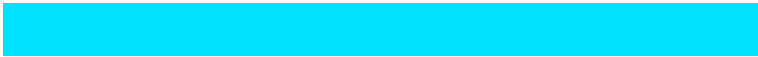
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.3170, 68.5604, 12.5872



41.9369, 68.5604, 26.8125



65.0124, 68.5604, 226.4268



95.6917, 68.5604, 159.9413

Sweetspot

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



65.3186, 68.5637, 12.5885



82.7933, 88.8224, 63.7020



44.2663, 24.1621, 12.6530



17.3898, 18.6874, 12.4809



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.



65.3186, 68.5637, 12.5885



62.7858, 64.2846, 9.3187



59.1499, 83.5159, 15.7997



19.2221, 20.4123, 19.0712



32.7005, 33.4122, 4.7257



3.2606, 3.4066, 0.4857

Inverse Universe

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



23.0102, 15.3306, 96.3534



19.7110, 10.3998, 95.5762



25.1291, 12.4389, 95.6835



17.3086, 17.9889, 22.8099



10.1810, 5.2716, 49.9155



1.0653, 0.6614, 4.8848

Previews

White Background



This preview shows how the XYZ color 65.3170, 68.5604, 12.5872 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 65.3170, 68.5604, 12.5872 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 65.3170, 68.5604, 12.5872

Background



This preview shows how black text looks on a background with the XYZ color 65.3170, 68.5604, 12.5872.



This preview shows how white text looks on a background with the XYZ color 65.3170, 68.5604,

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

65.3170, 68.5604, 12.5872

Protanopia

62.3294, 68.9021, 12.9201

Deuteranopia

68.4844, 68.6385, 32.9316



Tritanopia

74.4981, 68.3561, 72.8859

Trichromacy



Original Color

65.3170, 68.5604, 12.5872

Protanomaly

63.2126, 68.5968, 12.8146

Deuteranomaly

66.7853, 68.3527, 22.7701

Tritanomaly

69.1440, 67.7357, 40.0019

Monochromacy



Original Color

65.3170, 68.5604, 12.5872

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

58.7212, 63.1290, 37.5239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.3170, 68.5604, 12.5872 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, 212, 48)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 48)  
}
```

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, 212, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 48) }
```

Border

The CSS property to change the border of an element to XYZ 65.3170, 68.5604, 12.5872 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, 212, 48) }
```


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

```
.border{ border-color:rgb(255, 212, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 212, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 48);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 65.3170, 68.5604, 12.5872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 48) }
```

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

```
.background{ background-color: rgb(255,  
212, 48) }
```

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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