

Converting Colors

XYZ(64.2819, 65.3837, 15.6537)

Have a look what the booklet for
XYZ(64.2819, 65.3837, 15.6537)
contains.

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Color

**XYZ(64.3074, 65.4171,
15.7160)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCD4A
RGB	255, 205, 74
RGB Percent	100%, 80%, 29%
CMY	0.0000, 0.1961, 0.7098
CMYK	0.00, 0.20, 0.71, 0.00
HSL	43°, 100%, 65%
HSV	43°, 71%, 100%
XYZ	64.3074, 65.4171, 15.7160
YIQ	205.0160, 71.8510, -30.1410

Conversions

Conversions Part 2

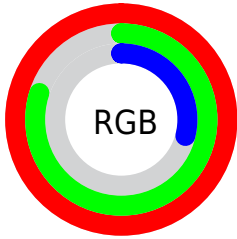
Format	Color
RYB	143, 255, 74
Decimal	16764234
CIELab	84.70, 4.90, 68.71
CIELCh	85, 68.881, 85.919
Yxy	65.4171, 0.4422, 0.4498
Android (android.graphics.Color)	4294954314 (0xFFFFCD4A)
YUV	205.0160, -64.5909, 43.8360
Hunter-Lab	80.8808, 0.3818, 45.0959

Details

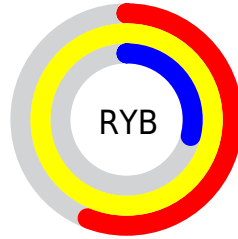
The XYZ color **64.3074, 65.4171, 15.7160** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **28.0815, 23.0905, 97.5840**, and the grayscale version is **58.4062, 61.4479, 66.9168**.

A 20% lighter version of the original color is **80.9624, 94.3650, 34.7160**, and **33.3202, 33.6047, 4.7589** is the 20% darker color. If you saturate the color by 10%, you get **61.9695, 61.8490, 11.5231**, and if you desaturate by 10%, it is **67.0721, 69.2825, 21.7690**.

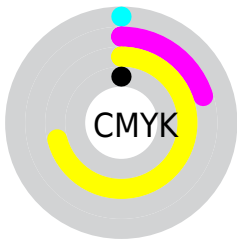
Distribution



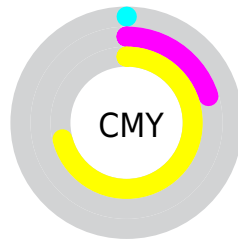
- Red (100%)
- Green (80%)
- Blue (29%)



- Red (56%)
- Yellow (100%)
- Blue (29%)



- Cyan (0%)
- Magenta (20%)
- Yellow (71%)
- Black (0%)



- Cyan (0%)
- Magenta (20%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3074, 65.4171, 15.7160 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 64.3074, 65.4171, 15.7160 by changing the saturation by 10% instead.

64.3074, 65.4171,
15.7160

64.3074, 65.4171,
15.7160

429.8835,
444.2893, 239.4482

47.1623, 47.7994,
9.1712

110.1248,
112.6493, 36.8644

33.3725, 33.6680,
4.7547

139.5278,
143.0326, 52.3050

22.5725, 22.6387,
2.0479

173.7475,
178.4398, 71.5481

14.3971, 14.3269,
0.5845

213.1492,
219.2554, 95.0121

8.4809, 8.3484,
0.0000

258.0983,
265.8638, 123.1156

4.4586, 4.3187,
0.0000

308.9602,

1.9647, 1.8534,

318.6493, 156.2771

0.0000

366.1001,
377.9963, 194.9151

■ 0.6140, 0.5201,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.3074, 65.4171,
15.7160

■ 64.3074, 65.4171,
15.7160

■ 61.9695, 61.8490,
11.5231

■ 67.0721, 69.2825,
21.7690

■ 60.0079, 58.5486,
8.9491

■ 70.2976, 73.4525,
29.8761

■ 58.4981, 55.7766,
7.6828

■ 74.0191, 77.9453,
40.2112

■ 78.2666, 82.7745,
52.9284

■ 83.0677, 87.9525,
68.1682

■ 88.4478, 93.4910,
86.0598

■ 94.4307, 99.4007,
106.7240

■ 95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



80.2833, 65.4171, 21.5577



64.3074, 65.4171, 15.7160



50.1148, 65.4171, 18.9509

Triad

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



64.3074, 65.4171, 15.7160



39.1724, 65.4171, 115.0817



90.0581, 65.4171, 130.0774

Complementary

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



64.3074, 65.4171, 15.7160



28.0815, 23.0905, 97.5840

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.



76.0342, 65.4171, 177.9211



64.3074, 65.4171, 15.7160



47.0208, 65.4171, 167.0440

Square

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



64.3074, 65.4171, 15.7160



37.0777, 65.4171, 65.3639



60.0942, 65.4171, 193.6675



96.6239, 65.4171, 77.4330

Rectangle

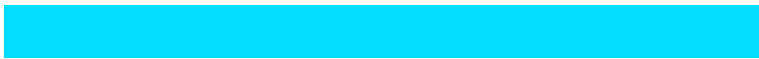
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.3074, 65.4171, 15.7160



43.2445, 65.4171, 27.0314



60.0942, 65.4171, 193.6675



85.9578, 65.4171, 147.9797

Sweetspot

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



64.3089, 65.4203, 15.7173



83.0573, 87.9416, 68.1331



47.4088, 27.6460, 22.3356



17.4818, 18.5095, 13.6273



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.



64.3089, 65.4203, 15.7173



61.1385, 60.4908, 10.3085



65.2510, 86.5801, 19.7519



19.1121, 20.1924, 19.0345



30.6984, 29.4080, 4.0583



3.0807, 3.0467, 0.4257

Inverse Universe

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



28.0815, 23.0905, 97.5840



23.2373, 16.3944, 96.5474



27.3374, 15.6434, 96.1858



17.4113, 18.1942, 22.8441



10.6967, 6.3029, 50.0874



1.1283, 0.7873, 4.9058

Previews

White Background



This preview shows how the XYZ color 64.3074, 65.4171, 15.7160 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 64.3074, 65.4171, 15.7160 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 64.3074, 65.4171, 15.7160

Background



This preview shows how black text looks on a background with the XYZ color 64.3074, 65.4171, 15.7160.



This preview shows how white text looks on a background with the XYZ color 64.3074, 65.4171,

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

64.3074, 65.4171, 15.7160

Protanopia

59.4401, 65.4416, 16.3361

Deuteranopia

65.8660, 65.2799, 26.2683



Tritanopia

72.3651, 65.2939, 68.4634

Trichromacy



Original Color

64.3074, 65.4171, 15.7160

Protanomaly

61.0326, 65.1636, 16.0177

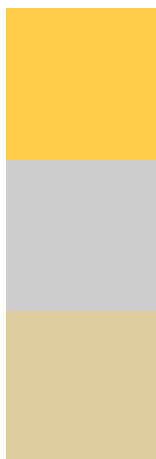
Deuteranomaly

65.2311, 65.4050, 21.7568

Tritanomaly

67.9214, 64.6101, 41.6920

Monochromacy



Original Color

64.3074, 65.4171, 15.7160

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

58.3486, 61.7849, 40.7487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3074, 65.4171, 15.7160 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, 205, 74)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 74)  
}
```

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, 205, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 74) }
```

Border

The CSS property to change the border of an element to XYZ 64.3074, 65.4171, 15.7160 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, 205, 74) }
```


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

```
.border{ border-color:rgb(255, 205, 74) }
```

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

Here you see how a box with a 4 pixel rgb(255, 205, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 74);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3074, 65.4171, 15.7160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 74) }
```

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

```
.background{ background-color: rgb(255,  
205, 74) }
```

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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