

Converting Colors

XYZ(64.6091, 66.0233, 15.8082)

Have a look what the booklet for
XYZ(64.6091, 66.0233, 15.8082)
contains.

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Color

**XYZ(64.5473, 65.8970,
15.7960)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFCE4A |
| RGB | 255, 206, 74 |
| RGB Percent | 100%, 81%, 29% |
| CMY | 0.0000, 0.1921, 0.7098 |
| CMYK | 0.00, 0.19, 0.71, 0.00 |
| HSL | 44°, 100%, 65% |
| HSV | 44°, 71%, 100% |
| XYZ | 64.5473, 65.8970, 15.7960 |
| YIQ | 205.6030, 71.5760, -30.6640 |

Conversions

Conversions Part 2

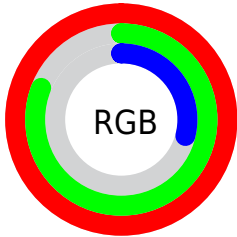
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 141, 255, 74 |
| Decimal | 16764490 |
| CIE Lab | 84.94, 4.39, 68.95 |
| CIE LCh | 85, 69.091, 86.359 |
| Yxy | 65.8970, 0.4414, 0.4506 |
| Android (android.graphics.Color) | 4294954570 (0xFFFFCE4A) |
| YUV | 205.6030, -64.8803, 43.3212 |
| Hunter-Lab | 81.1770, -0.1267, 45.2868 |

Details

The XYZ color **64.5473, 65.8970, 15.7960** 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 **27.9568, 22.8411, 97.5423**, and the grayscale version is **58.7835, 61.8448, 67.3490**.

A 20% lighter version of the original color is **81.0293, 94.3917, 35.0678**, and **33.4764, 33.9258, 4.7839** is the 20% darker color. If you saturate the color by 10%, you get **62.2311, 62.3723, 11.6104**, and if you desaturate by 10%, it is **67.2874, 69.7132, 21.8408**.

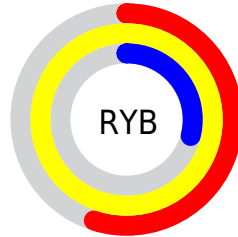
Distribution



Red (100%)

Green (81%)

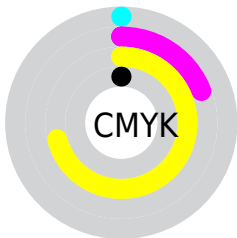
Blue (29%)



Red (55%)

Yellow (100%)

Blue (29%)

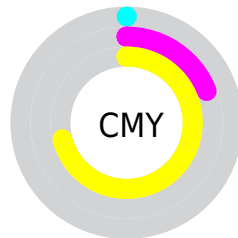


Cyan (0%)

Magenta (19%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (19%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.5473, 65.8970, 15.7960 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 64.5473, 65.8970, 15.7960 by changing the saturation by 10% instead.


 64.5473, 65.8970,
15.7960

 64.5473, 65.8970,
15.7960


430.7343,
446.0084, 239.9394


 47.3574, 48.1888,
9.2271


 110.4681,
113.3385, 37.0055


 33.5274, 33.9764,
4.7908


 139.9297,
143.8406, 52.4833

 22.6920, 22.8755,
2.0685

 174.2127,
179.3760, 71.7677

 14.4857, 14.5016,
0.5969

 213.6823,
220.3293, 95.2774

 8.5432, 8.4703,
0.0000

 258.7039,
267.0848, 123.4309

 4.4991, 4.3974,
0.0000

309.6429,

 1.9882, 1.8982,

320.0269, 156.6467

0.0000

366.8646,
379.5400, 195.3433

■ 0.6273, 0.5473,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.5473, 65.8970,
15.7960

■ 64.5473, 65.8970,
15.7960

■ 62.2311, 62.3723,
11.6104

■ 67.2874, 69.7132,
21.8408

■ 60.2884, 59.1098,
9.0426

■ 70.4854, 73.8282,
29.9388

■ 58.7933, 56.3671,
7.7812

■ 74.1764, 78.2600,
40.2637

■ 78.3903, 83.0221,
52.9697

83.1548, 88.1268,
68.1972

88.4951, 93.5856,
86.0756

94.4350, 99.4094,
106.7254

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.



80.6594, 65.8970, 21.5321



64.5473, 65.8970, 15.7960



50.2978, 65.8970, 19.1899

Triad

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



64.5473, 65.8970, 15.7960



39.5217, 65.8970, 116.7697



90.9016, 65.8970, 130.2643

Complementary

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



64.5473, 65.8970, 15.7960



27.9568, 22.8411, 97.5423

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.



76.8363, 65.8970, 178.7825



64.5473, 65.8970, 15.7960



47.5151, 65.8970, 168.9921

Square

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



64.5473, 65.8970, 15.7960



37.3258, 65.8970, 66.4592



60.7572, 65.8970, 195.2767



97.3780, 65.8970, 77.3158

Rectangle

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



64.5473, 65.8970, 15.7960



43.4270, 65.8970, 27.4588



60.7572, 65.8970, 195.2767



86.8017, 65.8970, 148.3569

Sweetspot

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



64.5488, 65.9002, 15.7973



83.1446, 88.1161, 68.1622



47.4088, 27.6460, 22.3356



17.5027, 18.5513, 13.6343



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.



64.5488, 65.9002, 15.7973



61.4082, 61.0301, 10.3984



65.2509, 86.5799, 19.7519



19.1210, 20.2101, 19.0375



30.8513, 29.7139, 4.1093



3.0945, 3.0744, 0.4303

Inverse Universe

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



27.9568, 22.8411, 97.5423



23.1260, 16.1716, 96.5103



27.3373, 15.6434, 96.1857



17.4030, 18.1776, 22.8413



10.6492, 6.2080, 50.0716



1.1228, 0.7762, 4.9039

Previews

White Background



This preview shows how the XYZ color 64.5473, 65.8970, 15.7960 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 64.5473, 65.8970, 15.7960 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 64.5473, 65.8970, 15.7960

Background



This preview shows how black text looks on a background with the XYZ color 64.5473, 65.8970, 15.7960.



This preview shows how white text looks on a background with the XYZ color 64.5473, 65.8970,

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

64.5473, 65.8970, 15.7960

Protanopia

60.0238, 66.1148, 16.4353

Deuteranopia

66.3457, 65.8509, 27.6260



Tritanopia

72.7149, 65.7960, 69.1890

Trichromacy



Original Color

64.5473, 65.8970, 15.7960

Protanomaly

61.6248, 65.8343, 16.1159

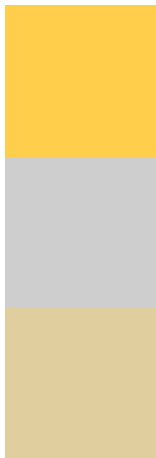
Deuteranomaly

65.6211, 65.9426, 22.6342

Tritanomaly

68.2394, 65.1066, 42.2279

Monochromacy



Original Color

64.5473, 65.8970, 15.7960

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

58.9833, 62.4585, 41.2947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5473, 65.8970, 15.7960 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, 206, 74)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 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, 206, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 74) }
```

Border

The CSS property to change the border of an element to XYZ 64.5473, 65.8970, 15.7960 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, 206, 74) }
```


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

```
.border{ border-color:rgb(255, 206, 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, 206, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 74);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5473, 65.8970, 15.7960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 74) }
```

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

```
.background{ background-color: rgb(255,  
206, 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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