

Converting Colors

XYZ(63.7449, 65.6743, 15.6008)

Have a look what the booklet for
XYZ(63.7449, 65.6743, 15.6008)
contains.

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Color

**XYZ(64.0234, 65.9893,
15.6661)**

Conversions

Conversions Part 1

Format	Color
Hex	FDCF49
RGB	253, 207, 73
RGB Percent	99%, 81%, 29%
CMY	0.0078, 0.1882, 0.7137
CMYK	0.00, 0.18, 0.71, 0.01
HSL	45°, 98%, 64%
HSV	45°, 71%, 99%
XYZ	64.0234, 65.9893, 15.6661
YIQ	205.4780, 70.4300, -31.9220

Conversions

Conversions Part 2

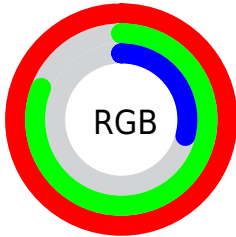
Format	Color
RYB	135, 253, 73
Decimal	16633673
CIELab	84.99, 2.99, 69.32
CIELCh	85, 69.386, 87.528
Yxy	65.9893, 0.4395, 0.4530
Android (android.graphics.Color)	4294823753 (0xFFFD49)
YUV	205.4780, -65.3117, 41.6768
Hunter-Lab	81.2338, -1.4766, 45.4295

Details

The XYZ color **64.0234, 65.9893, 15.6661** 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 **27.0739, 21.7013, 95.6897**, and the grayscale version is **58.7066, 61.7639, 67.2609**.

A 20% lighter version of the original color is **80.9624, 94.3650, 34.7160**, and **33.1295, 33.9889, 4.8144** is the 20% darker color. If you saturate the color by 10%, you get **61.8152, 62.6536, 11.5997**, and if you desaturate by 10%, it is **66.6397, 69.5961, 21.5518**.

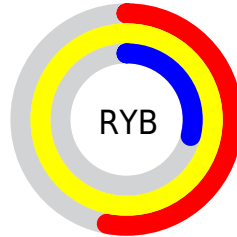
Distribution



Red (99%)

Green (81%)

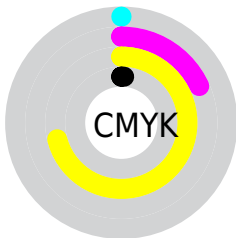
Blue (29%)



Red (53%)

Yellow (99%)

Blue (29%)

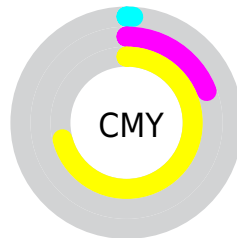


Cyan (0%)

Magenta (18%)

Yellow (71%)

Black (1%)



Cyan (1%)


Magenta (19%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.0234, 65.9893, 15.6661 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 64.0234, 65.9893, 15.6661 by changing the saturation by 10% instead.


 64.0234, 65.9893,
15.6661


 64.0234, 65.9893,
15.6661


428.8750,
446.3386, 239.1414

 46.9314, 48.2637,
9.1364


 109.7182,
113.4710, 36.7762


 33.1891, 34.0358,
4.7322


 139.0517,
143.9959, 52.1938


 22.4313, 22.9211,
2.0350


 173.1963,
179.5560, 71.4110

 14.2925, 14.5352,
0.5767

 212.5175,
220.5357, 94.8464

 8.4075, 8.4939,
0.0000

 257.3807,
267.3194, 122.9187

 4.4108, 4.4126,
0.0000

308.1510,

 1.9370, 1.9069,

320.2915, 156.0462

0.0000

365.1940,
379.8365, 194.6476

■ 0.5982, 0.5525,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.0234, 65.9893,
15.6661

■ 64.0234, 65.9893,
15.6661

■ 61.8152, 62.6536,
11.5997

■ 66.6397, 69.5961,
21.5518

■ 59.9655, 59.5600,
9.1154

■ 69.6972, 73.4806,
29.4475

■ 58.5664, 56.9998,
7.9153

■ 73.2303, 77.6603,
39.5238

■ 77.2684, 82.1481,
51.9323

■ 81.8383, 86.9559,
66.8108

■ 86.9649, 92.0947,
84.2863

■ 92.6712, 97.5749,
104.4772

■ 94.3177, 99.6225,
108.8657

Harmonies

Analogous

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



80.2408, 65.9893, 21.0168



64.0234, 65.9893, 15.6661



49.8550, 65.9893, 19.4262

Triad

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



64.0234, 65.9893, 15.6661



39.7063, 65.9893, 119.3114



91.5793, 65.9893, 128.5379

Complementary

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



64.0234, 65.9893, 15.6661



27.0739, 21.7013, 95.6897

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.



77.6291, 65.9893, 178.1106



64.0234, 65.9893, 15.6661



47.9570, 65.9893, 171.4105

Square

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



64.0234, 65.9893, 15.6661



37.2748, 65.9893, 68.2096



61.4361, 65.9893, 196.3668



97.7106, 65.9893, 75.6200

Rectangle

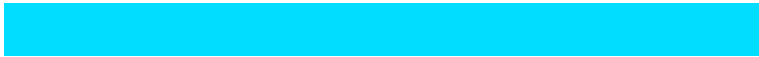
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.0234, 65.9893, 15.6661



43.0972, 65.9893, 28.0578



61.4361, 65.9893, 196.3668



87.5465, 65.9893, 146.8569

Sweetspot

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



64.0249, 65.9925, 15.6674



83.3848, 88.5966, 68.2423



46.3419, 27.0287, 20.8646



17.5603, 18.6665, 13.6535



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.



64.0249, 65.9925, 15.6674



62.1593, 62.5324, 10.6488



63.1918, 84.5801, 19.2991



19.1452, 20.2586, 19.0456



31.2787, 30.5686, 4.2518



3.1332, 3.1517, 0.4432

Inverse Universe

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



27.0739, 21.7013, 95.6897



22.8288, 15.5773, 96.4113



27.1829, 15.5025, 94.4874



17.3802, 18.1320, 22.8337



10.5243, 5.9582, 50.0299



1.1079, 0.7465, 4.8990

Previews

White Background



This preview shows how the XYZ color 64.0234, 65.9893, 15.6661 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 64.0234, 65.9893, 15.6661 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 64.0234, 65.9893, 15.6661

Background



This preview shows how black text looks on a background with the XYZ color 64.0234, 65.9893, 15.6661.



This preview shows how white text looks on a background with the XYZ color 64.0234, 65.9893,

15.6661.

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

64.0234, 65.9893, 15.6661

Protanopia

59.9893, 66.1010, 16.2536

Deuteranopia

66.3457, 65.8509, 27.6260



Tritanopia

72.7149, 65.7960, 69.1890

Trichromacy



Original Color

64.0234, 65.9893, 15.6661

Protanomaly

61.4924, 66.1376, 16.0034

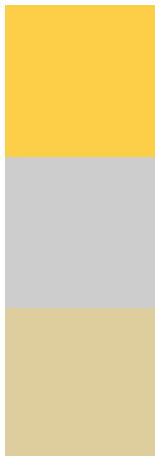
Deuteranomaly

65.2031, 65.7330, 22.3479

Tritanomaly

68.1049, 65.3822, 42.2882

Monochromacy



Original Color

64.0234, 65.9893, 15.6661

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

58.2813, 62.1065, 40.8143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0234, 65.9893, 15.6661 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(253, 207, 73)` looks like.

```
.text, #text, p{  
    color:rgb(253, 207, 73)  
}
```

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(253, 207, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 207, 73) }
```

Border

The CSS property to change the border of an element to XYZ 64.0234, 65.9893, 15.6661 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(253, 207, 73) }
```


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

```
.border{ border-color:rgb(253, 207, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 207, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 207, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 207, 73);  
box-shadow:4px 4px 4px 4px rgb(253, 207,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0234, 65.9893, 15.6661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 207, 73) }
```

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

```
.background{ background-color: rgb(253,  
207, 73) }
```

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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