

Converting Colors

XYZ(63.4711, 64.5349, 15.5029)

Have a look what the booklet for
XYZ(63.4711, 64.5349, 15.5029)
contains.

XYZ(63.7019, 64.7510, 15.6193)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.7019, 64.7510,
15.6193)**

Conversions

Conversions Part 1

Format	Color
Hex	FECC4A
RGB	254, 204, 74
RGB Percent	100%, 80%, 29%
CMY	0.0039, 0.2000, 0.7098
CMYK	0.00, 0.20, 0.71, 0.00
HSL	43°, 99%, 64%
HSV	43°, 71%, 100%
XYZ	63.7019, 64.7510, 15.6193
YIQ	204.1300, 71.5300, -29.8300

Conversions

Conversions Part 2

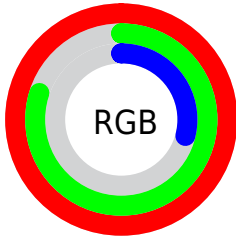
Format	Color
R _Y B	143, 254, 74
Decimal	16698442
CIE Lab	84.36, 5.00, 68.33
CIE LCh	84, 68.513, 85.817
Yxy	64.7510, 0.4422, 0.4494
Android (android.graphics.Color)	4294888522 (0xFFFECC4A)
YUV	204.1300, -64.1541, 43.7360
Hunter-Lab	80.4680, 0.4892, 44.8191

Details

The XYZ color **63.7019, 64.7510, 15.6193** 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 **27.9208, 23.0261, 96.7380**, and the grayscale version is **57.8397, 60.8519, 66.2677**.

A 20% lighter version of the original color is **80.9624, 94.3650, 34.7160**, and **32.9041, 33.1523, 4.6935** is the 20% darker color. If you saturate the color by 10%, you get **61.3742, 61.1999, 11.4401**, and if you desaturate by 10%, it is **66.4538, 68.5984, 21.6442**.

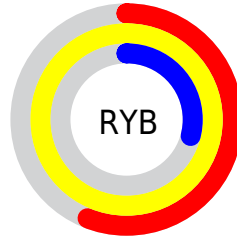
Distribution



Red (100%)

Green (80%)

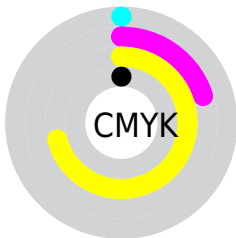
Blue (29%)



Red (56%)

Yellow (100%)

Blue (29%)

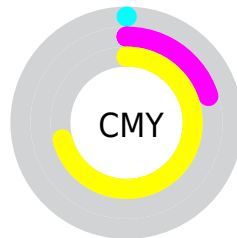


Cyan (0%)

Magenta (20%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.7019, 64.7510, 15.6193 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 63.7019, 64.7510, 15.6193 by changing the saturation by 10% instead.


 63.7019, 64.7510,
15.6193


 63.7019, 64.7510,
15.6193


427.7317,
441.8966, 238.8532


 46.6701, 47.2592,
9.1037


 109.2576,
111.6918, 36.6936


 32.9817, 33.2406,
4.7112


 138.5123,
141.9096, 52.0893


 22.2716, 22.3108,
2.0231


 172.5718,
177.1382, 71.2823

 14.1743, 14.0855,
0.5694

 211.8017,
217.7619, 94.6909

 8.3245, 8.1801,
0.0000

 256.5673,
264.1652, 122.7338

 4.3569, 4.2104,
0.0000

307.2339,

 1.9059, 1.7920,

316.7325, 155.8294

0.0000

364.1669,
375.8482, 194.3964

■ 0.5803, 0.4822,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.7019, 64.7510,
15.6193

■ 63.7019, 64.7510,
15.6193

■ 61.3742, 61.1999,
11.4401

■ 66.4538, 68.5984,
21.6442

■ 59.4207, 57.9160,
8.8685

■ 69.6634, 72.7494,
29.7068

■ 57.8998, 55.1248,
7.5885

■ 73.3656, 77.2221,
39.9789

■ 77.5901, 82.0298,
52.6129

■ 82.3643, 87.1850,
67.7479

■ 87.7133, 92.6991,
85.5119

■ 93.6605, 98.5830,
106.0243

■ 94.6827, 99.8106,
108.8828

Harmonies

Analogous

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



79.4795, 64.7510, 21.4370



63.7019, 64.7510, 15.6193



49.6669, 64.7510, 18.7914

Triad

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



63.7019, 64.7510, 15.6193



38.7943, 64.7510, 113.6263



89.0432, 64.7510, 128.8021

Complementary

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



63.7019, 64.7510, 15.6193



27.9208, 23.0261, 96.7380

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.



75.1777, 64.7510, 175.9604



63.7019, 64.7510, 15.6193



46.5325, 64.7510, 164.9568

Square

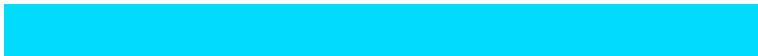
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.7019, 64.7510, 15.6193



36.7431, 64.7510, 64.5681



59.4352, 64.7510, 191.3583



95.5589, 64.7510, 76.7905

Rectangle

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



63.7019, 64.7510, 15.6193



42.8649, 64.7510, 26.7591



59.4352, 64.7510, 191.3583



84.9866, 64.7510, 146.4638

Sweetspot

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



63.7034, 64.7542, 15.6206



83.0331, 87.8932, 68.1251



47.0236, 27.4495, 22.2228



17.4760, 18.4979, 13.6254



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.



63.7034, 64.7542, 15.6206



61.0641, 60.3420, 10.2837



64.7021, 85.8246, 19.6349



19.1097, 20.1875, 19.0337



30.6562, 29.3236, 4.0443



3.0768, 3.0391, 0.4244

Inverse Universe

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



27.9208, 23.0261, 96.7380



23.2685, 16.4568, 96.5578



27.1487, 15.5647, 95.3385



17.4136, 18.1989, 22.8449



10.7100, 6.3296, 50.0918



1.1299, 0.7905, 4.9063

Previews

White Background



This preview shows how the XYZ color 63.7019, 64.7510, 15.6193 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 63.7019, 64.7510, 15.6193 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 63.7019, 64.7510, 15.6193

Background



This preview shows how black text looks on a background with the XYZ color 63.7019, 64.7510, 15.6193.



This preview shows how white text looks on a background with the XYZ color 63.7019, 64.7510,

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

63.7019, 64.7510, 15.6193

Protanopia

58.8597, 64.7725, 16.2376

Deuteranopia

65.3978, 64.7160, 24.9642



Tritanopia

72.0176, 64.7952, 67.7425

Trichromacy



Original Color

63.7019, 64.7510, 15.6193

Protanomaly

60.4438, 64.4970, 15.9200

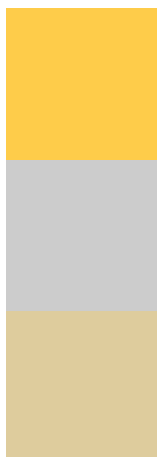
Deuteranomaly

64.8481, 64.8727, 20.9082

Tritanomaly

67.6921, 64.1514, 41.6156

Monochromacy



Original Color

63.7019, 64.7510, 15.6193

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

57.8029, 61.1496, 40.6548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7019, 64.7510, 15.6193 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(254, 204, 74)` looks like.

```
.text, #text, p{  
    color:rgb(254, 204, 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(254, 204, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 204, 74) }
```

Border

The CSS property to change the border of an element to XYZ 63.7019, 64.7510, 15.6193 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(254, 204, 74) }
```


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

```
.border{ border-color:rgb(254, 204, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 204, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 204, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 204, 74);  
box-shadow:4px 4px 4px 4px rgb(254, 204,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7019, 64.7510, 15.6193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 204, 74) }
```

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

```
.background{ background-color: rgb(254,  
204, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor