

Converting Colors

XYZ(61.8041, 66.3896, 15.4878)

Have a look what the booklet for
XYZ(61.8041, 66.3896, 15.4878)
contains.

| | |
|--|----|
| XYZ(61.7398, 66.2766, 15.4999) | 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(61.7398, 66.2766,
15.4999)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | F4D347 |
| RGB | 244, 211, 71 |
| RGB Percent | 96%, 83%, 28% |
| CMY | 0.0431, 0.1725, 0.7215 |
| CMYK | 0.00, 0.14, 0.71, 0.04 |
| HSL | 49°, 89%, 62% |
| HSV | 49°, 71%, 96% |
| XYZ | 61.7398, 66.2766, 15.4999 |
| YIQ | 204.9070, 64.6080, -36.5440 |

Conversions

Conversions Part 2

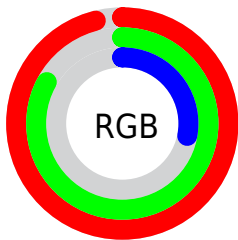
| Format | Color |
|--|--|
| RYB | 112, 244, 71 |
| Decimal | 16044871 |
| CIELab | 85.14, -2.91, 69.95 |
| CIELCh | 85, 70.007, 92.384 |
| Yxy | 66.2766, 0.4302, 0.4618 |
| Android (android.graphics.Color) | 4294234951 (0xFFFF4D347) |
| YUV | 204.9070, -66.0162, 34.2846 |
| Hunter-Lab | 81.4104, -7.0980, 45.6990 |

Details

The XYZ color **61.7398, 66.2766, 15.4999** 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 **23.8779, 17.7715, 87.7590**, and the grayscale version is **58.3487, 61.3874, 66.8509**.

A 20% lighter version of the original color is **80.8308, 94.3123, 34.0225**, and **31.8241, 34.3043, 4.9441** is the 20% darker color. If you saturate the color by 10%, you get **59.9695, 63.7479, 11.7916**, and if you desaturate by 10%, it is **63.8608, 69.0043, 20.8765**.

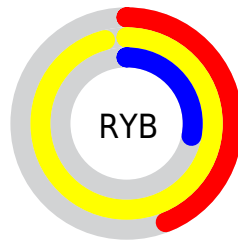
Distribution



Red (96%)

Green (83%)

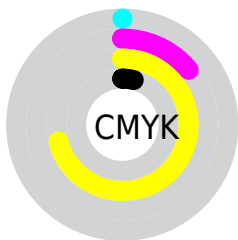
Blue (28%)



Red (44%)

Yellow (96%)

Blue (28%)

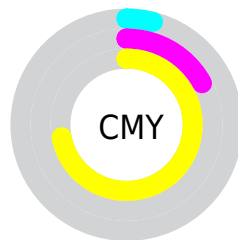


Cyan (0%)

Magenta (14%)

Yellow (71%)

Black (4%)



Cyan (4%)

Magenta (17%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.7398, 66.2766, 15.4999 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 61.7398, 66.2766, 15.4999 by changing the saturation by 10% instead.

61.7398, 66.2766,
15.4999

61.7398, 66.2766,
15.4999

420.7140,
447.3654, 238.1165

45.0773, 48.4970,
9.0205

106.4414,
113.8832, 36.4824

31.7198, 34.2206,
4.6575

135.2113,
144.4790, 51.8226

21.3021, 23.0631,
1.9926

168.7476,
180.1157, 70.9534

13.4587, 14.6401,
0.5507

207.4158,
221.1776, 94.2935

7.8244, 8.5672,
0.0000

251.5812,
268.0491, 122.2613

4.0336, 4.4600,
0.0000

301.6091,

1.7212, 1.9341,

321.1147, 155.2753

0.0000

357.8649,
380.7586, 193.7542

■ 0.4695, 0.5687,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 61.7398, 66.2766,
15.4999

■ 61.7398, 66.2766,
15.4999

■ 59.9695, 63.7479,
11.7916

■ 63.8608, 69.0043,
20.8765


■ 58.5049, 61.3920,
9.5358


■ 66.3618, 71.9354,
28.0945


■ 57.3799, 59.3770,
8.4367


■ 69.2739, 75.0853,
37.3094


■ 72.6235, 78.4652,
48.6594

 76.4349, 82.0850,
62.2701

 80.7301, 85.9541,
78.2576

 85.5301, 90.0812,
96.7298

 88.9973, 93.7317,
108.0091

 90.4476, 96.6324,
108.4926

Harmonies

Analogous

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



78.1348, 66.2766, 19.2980



61.7398, 66.2766, 15.4999



48.0974, 66.2766, 20.8381

Triad

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



61.7398, 66.2766, 15.4999



40.6839, 66.2766, 129.4428



93.8928, 66.2766, 120.4155

Complementary

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



61.7398, 66.2766, 15.4999



23.8779, 17.7715, 87.7590

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.



80.6865, 66.2766, 173.2585



61.7398, 66.2766, 15.4999



49.9475, 66.2766, 179.8229

Square

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



61.7398, 66.2766, 15.4999



37.2768, 66.2766, 75.8405



64.2649, 66.2766, 198.4956



98.4414, 66.2766, 68.6082

Rectangle

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



61.7398, 66.2766, 15.4999



41.8826, 66.2766, 31.0517



64.2649, 66.2766, 198.4956



90.2212, 66.2766, 139.2753

Sweetspot

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



61.7413, 66.2798, 15.5012



84.4237, 90.6744, 68.5886



42.1424, 24.7724, 16.0883



17.8098, 19.1654, 13.7366



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.



61.7413, 66.2798, 15.5012



65.5552, 69.3241, 11.7807



55.2517, 76.3755, 17.7919



17.6304, 18.7449, 17.4865



31.2963, 32.4782, 4.6194



2.8181, 2.9895, 0.4285

Inverse Universe

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



23.8779, 17.7715, 87.7590



21.6971, 13.3139, 96.0340



26.7371, 15.2425, 87.1201



15.8369, 16.4381, 20.8807



9.4948, 4.7833, 46.9609



0.9022, 0.5558, 4.1500

Previews

White Background



This preview shows how the XYZ color 61.7398, 66.2766, 15.4999 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 61.7398, 66.2766, 15.4999 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 61.7398, 66.2766, 15.4999

Background



This preview shows how black text looks on a background with the XYZ color 61.7398, 66.2766, 15.4999.



This preview shows how white text looks on a background with the XYZ color 61.7398, 66.2766,

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

61.7398, 66.2766, 15.4999

Protanopia

60.2238, 66.2335, 15.7411

Deuteranopia

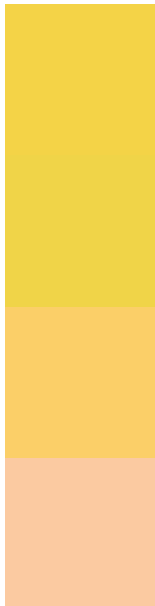
66.6465, 66.3527, 28.0336



Tritanopia

73.2165, 65.9966, 71.8305

Trichromacy



Original Color

61.7398, 66.2766, 15.4999

Protanomaly

60.6484, 66.0801, 15.6891

Deuteranomaly

64.5952, 66.1344, 22.4574

Tritanomaly

67.3372, 65.3235, 42.7779

Monochromacy



Original Color

61.7398, 66.2766, 15.4999

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

57.5270, 62.0860, 40.4043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.7398, 66.2766, 15.4999 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(244, 211, 71)` looks like.

```
.text, #text, p{  
    color:rgb(244, 211, 71)  
}
```

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(244, 211, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 211, 71) }
```

Border

The CSS property to change the border of an element to XYZ 61.7398, 66.2766, 15.4999 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(244, 211, 71) }
```


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

```
.border{ border-color:rgb(244, 211, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 211, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 211, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 211, 71);  
box-shadow:4px 4px 4px 4px rgb(244, 211,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 61.7398, 66.2766, 15.4999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 211, 71) }
```

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

```
.background{ background-color: rgb(244,  
211, 71) }
```

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