

Converting Colors

XYZ(102.2223, 92.1021,
17.3186)

Have a look what the booklet for
XYZ(102.2223, 92.1021, 17.3186)
contains.

XYZ(68.8498, 74.9530, 15.8396)	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(68.8498, 74.9530,
15.8396)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE041
RGB	255, 224, 65
RGB Percent	100%, 88%, 25%
CMY	0.0000, 0.1215, 0.7451
CMYK	0.00, 0.12, 0.75, 0.00
HSL	50°, 100%, 63%
HSV	50°, 75%, 100%
XYZ	68.8498, 74.9530, 15.8396
YIQ	215.1430, 69.5150, -42.8770

Conversions

Conversions Part 2

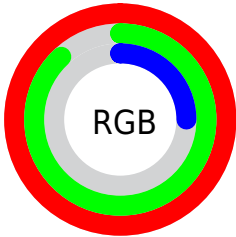
Format	Color
R _Y B	102, 255, 65
Decimal	16769089
CIE Lab	89.37, -5.14, 76.49
CIE LCh	89, 76.660, 93.843
Yxy	74.9530, 0.4313, 0.4695
Android (android.graphics.Color)	4294959169 (0xFFFE041)
YUV	215.1430, -74.0205, 34.9546
Hunter-Lab	86.5754, -9.5534, 49.7552

Details

The XYZ color **68.8498, 74.9530, 15.8396** 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 **24.4129, 16.7093, 96.5456**, and the grayscale version is **65.1432, 68.5357, 74.6353**.

A 20% lighter version of the original color is **80.5752, 94.2101, 32.6765**, and **36.4361, 39.8453, 5.7705** is the 20% darker color. If you saturate the color by 10%, you get **67.1675, 72.5160, 12.4206**, and if you desaturate by 10%, it is **70.8960, 77.5851, 21.0249**.

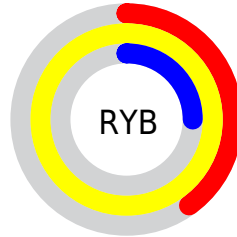
Distribution



Red (100%)

Green (88%)

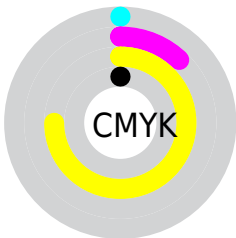
Blue (25%)



Red (40%)

Yellow (100%)

Blue (25%)

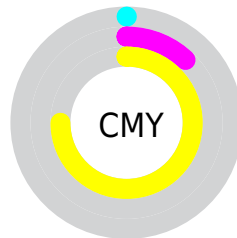


Cyan (0%)

Magenta (12%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (12%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.8498, 74.9530, 15.8396 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 68.8498, 74.9530, 15.8396 by changing the saturation by 10% instead.


 68.8498, 74.9530,
15.8396


 68.8498, 74.9530,
15.8396


445.8307,
477.7560, 240.2067


 50.8656, 55.5744,
9.2576


 116.6023,
126.2458, 37.0824


 36.3223, 39.8618,
4.8105


 147.1012,
158.9288, 52.5803


 24.8544, 27.4308,
2.0797


 182.5025,
196.8154, 71.8873

 16.0968, 17.8970,
0.6037

 223.1714,
240.2900, 95.4218

 9.6840, 10.8761,
0.0000

 269.4733,
289.7370, 123.6025

 5.2506, 5.9836,
0.0000

321.7736,

 2.4313, 2.8351,

345.5407, 156.8478

0.0000

380.4376,
408.0856, 195.5764

■ 0.8607, 1.0463,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.8498, 74.9530,
15.8396

■ 68.8498, 74.9530,
15.8396

■ 67.1675, 72.5160,
12.4206

■ 70.8960, 77.5851,
21.0249

■ 65.7949, 70.2434,
10.5062

■ 73.3409, 80.4179,
28.1814

■ 65.1354, 69.0513,
9.8952

■ 76.2206, 83.4690,
37.4908

■ 79.5657, 86.7509,
49.1129

■ 83.4037, 90.2750,
63.1922

■ 87.7600, 94.0516,
79.8616

■ 92.6583, 98.0905,
99.2443

■ 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.



88.3552, 74.9530, 19.5676



68.8498, 74.9530, 15.8396



52.9797, 74.9530, 22.3639

Triad

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



68.8498, 74.9530, 15.8396



45.2833, 74.9530, 153.7286



108.7731, 74.9530, 136.1502

Complementary

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



68.8498, 74.9530, 15.8396



24.4129, 16.7093, 96.5456

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.



93.2785, 74.9530, 201.0036



68.8498, 74.9530, 15.8396



56.4924, 74.9530, 213.8997

Square

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



68.8498, 74.9530, 15.8396



40.9694, 74.9530, 88.7339



73.6861, 74.9530, 234.1790



113.6345, 74.9530, 74.8800

Rectangle

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



68.8498, 74.9530, 15.8396



45.9036, 74.9530, 34.5734



73.6861, 74.9530, 234.1790



104.5161, 74.9530, 158.9982

Sweetspot

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



68.8515, 74.9566, 15.8411



84.4470, 91.1985, 67.1242



45.2727, 25.8980, 13.8418



17.8341, 19.3068, 13.4588



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.



68.8515, 74.9566, 15.8411



66.5162, 71.4761, 11.3922



58.3683, 83.0644, 17.9586



19.2941, 20.5564, 19.0952



34.1287, 36.2687, 5.2018



3.3873, 3.6599, 0.5279

Inverse Universe

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



24.4129, 16.7093, 96.5456



20.4246, 11.2563, 95.7039



28.8933, 15.6166, 96.0985



17.2423, 17.8562, 22.7878



9.9267, 4.7629, 49.8307



1.0312, 0.5931, 4.8734

Previews

White Background



This preview shows how the XYZ color 68.8498, 74.9530, 15.8396 looks on a white background.

Color Contrast Check

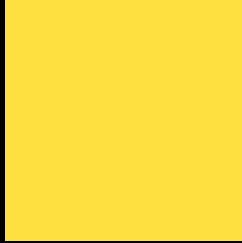
Large Text (above 18pt) WCAG AA × Fail

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 68.8498, 74.9530, 15.8396 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 68.8498, 74.9530, 15.8396

Background



This preview shows how black text looks on a background with the XYZ color 68.8498, 74.9530, 15.8396.



This preview shows how white text looks on a background with the XYZ color 68.8498, 74.9530,

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

68.8498, 74.9530, 15.8396

Protanopia

68.0242, 74.9275, 15.8782

Deuteranopia

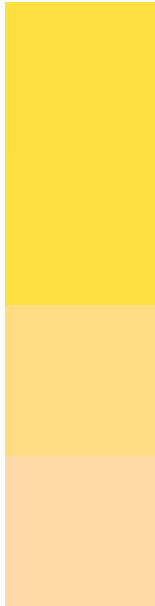
73.7329, 74.7876, 48.0854



Tritanopia

78.8772, 74.7894, 81.5127

Trichromacy



Original Color

68.8498, 74.9530, 15.8396

Protanomaly

68.3874, 75.1147, 15.8952

Deuteranomaly

71.1932, 74.6116, 32.1219

Tritanomaly

73.2865, 74.1928, 47.0173

Monochromacy



Original Color

68.8498, 74.9530, 15.8396

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.0497, 69.5039, 43.2975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8498, 74.9530, 15.8396 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, 224, 65)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 65)  
}
```

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, 224, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 65) }
```

Border

The CSS property to change the border of an element to XYZ 68.8498, 74.9530, 15.8396 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, 224, 65) }
```


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

```
.border{ border-color:rgb(255, 224, 65) }
```

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

Here you see how a box with a 4 pixel rgb(255, 224, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 65);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8498, 74.9530, 15.8396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 65) }
```

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

```
.background{ background-color: rgb(255,  
224, 65) }
```

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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