

Converting Colors

XYZ(68.8191, 74.7974, 16.1207)

Have a look what the booklet for
XYZ(68.8191, 74.7974, 16.1207)
contains.

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Color

**XYZ(68.9088, 74.9766,
16.1502)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE043
RGB	255, 224, 67
RGB Percent	100%, 88%, 26%
CMY	0.0000, 0.1215, 0.7372
CMYK	0.00, 0.12, 0.74, 0.00
HSL	50°, 100%, 63%
HSV	50°, 74%, 100%
XYZ	68.9088, 74.9766, 16.1502
YIQ	215.3710, 68.8730, -42.2550

Conversions

Conversions Part 2

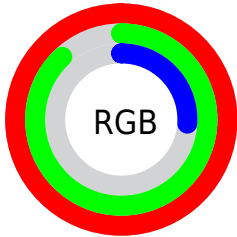
Format	Color
RYB	104, 255, 67
Decimal	16769091
CIELab	89.38, -5.06, 75.82
CIELCh	89, 75.993, 93.816
Yxy	74.9766, 0.4306, 0.4685
Android (android.graphics.Color)	4294959171 (0xFFFFE043)
YUV	215.3710, -73.1469, 34.7546
Hunter-Lab	86.5890, -9.4779, 49.5538

Details

The XYZ color **68.9088, 74.9766, 16.1502** 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 **24.7325, 17.1484, 96.6135**, and the grayscale version is **65.2929, 68.6932, 74.8069**.

A 20% lighter version of the original color is **80.7017, 94.2607, 33.3427**, and **36.4361, 39.8453, 5.7705** is the 20% darker color. If you saturate the color by 10%, you get **67.1904, 72.5066, 12.5982**, and if you desaturate by 10%, it is **70.9951, 77.6443, 21.4864**.

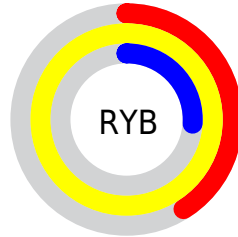
Distribution



Red (100%)

Green (88%)

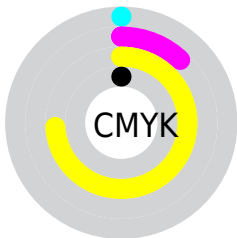
Blue (26%)



Red (41%)

Yellow (100%)

Blue (26%)

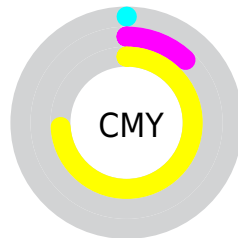


Cyan (0%)

Magenta (12%)

Yellow (74%)

Black (0%)



Cyan (0%)

Magenta (12%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9088, 74.9766, 16.1502 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 68.9088, 74.9766, 16.1502 by changing the saturation by 10% instead.

68.9088, 74.9766,
16.1502

68.9088, 74.9766,
16.1502

446.0357,
477.8371, 242.1023

50.9138, 55.5937,
9.4750

116.6861,
126.2792, 37.6292

36.3608, 39.8773,
4.9513

147.1991,
158.9678, 53.2700

24.8844, 27.4429,
2.1605

182.6155,
196.8603, 72.7365

16.1192, 17.9061,
0.6514

223.3006,
240.3413, 96.4472

9.6999, 10.8826,
0.0000

269.6198,
289.7951, 124.8205

5.2612, 5.9879,
0.0000

321.9385,

2.4376, 2.8378,

345.6060, 158.2751

0.0000

380.6220,
408.1586, 197.2295

■ 0.8639, 1.0476,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.9088, 74.9766,
16.1502

■ 68.9088, 74.9766,
16.1502

■ 67.1904, 72.5066,
12.5982

■ 70.9951, 77.6443,
21.4864

■ 65.7866, 70.2039,
10.5738

■ 73.4835, 80.5149,
28.8091

■ 65.0240, 68.8285,
9.8581

■ 76.4099, 83.6061,
38.2981

■ 79.8044, 86.9301,
50.1117

■ 83.6945, 90.4984,
64.3936

■ 88.1055, 94.3212,
81.2758

■ 93.0608, 98.4082,
100.8808

■ 95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



88.2387, 74.9766, 19.8995



68.9088, 74.9766, 16.1502



53.1535, 74.9766, 22.6802

Triad

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



68.9088, 74.9766, 16.1502



45.4862, 74.9766, 152.9432



108.4193, 74.9766, 135.6897

Complementary

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



68.9088, 74.9766, 16.1502



24.7325, 17.1484, 96.6135

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.



93.0792, 74.9766, 199.7387



68.9088, 74.9766, 16.1502



56.6174, 74.9766, 212.3757

Square

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



68.9088, 74.9766, 16.1502



41.2014, 74.9766, 88.6462



73.6702, 74.9766, 232.4282



113.2390, 74.9766, 75.0069

Rectangle

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



68.9088, 74.9766, 16.1502



46.1174, 74.9766, 34.8663



73.6702, 74.9766, 232.4282



104.2049, 74.9766, 158.2719

Sweetspot

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



68.9105, 74.9802, 16.1517



84.4174, 91.1393, 67.1143



45.4678, 26.1631, 14.2926



17.8270, 19.2926, 13.4565



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.



68.9105, 74.9802, 16.1517



66.5550, 71.5026, 11.5624



58.5961, 83.1750, 18.2771



19.2913, 20.5508, 19.0943



34.0712, 36.1537, 5.1826



3.3822, 3.6498, 0.5262

Inverse Universe

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



24.7325, 17.1484, 96.6135



20.6458, 11.5905, 95.7568



29.2127, 15.9547, 96.1470



17.2449, 17.8614, 22.7886



9.9354, 4.7804, 49.8336



1.0324, 0.5956, 4.8738

Previews

White Background



This preview shows how the XYZ color 68.9088, 74.9766, 16.1502 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 68.9088, 74.9766, 16.1502 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 68.9088, 74.9766, 16.1502

Background



This preview shows how black text looks on a background with the XYZ color 68.9088, 74.9766, 16.1502.



This preview shows how white text looks on a background with the XYZ color 68.9088, 74.9766,

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

68.9088, 74.9766, 16.1502

Protanopia

68.0832, 74.9511, 16.1888

Deuteranopia

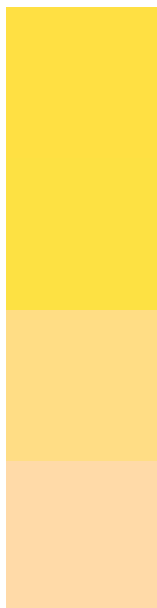
73.8272, 74.8253, 48.5818



Tritanopia

78.8772, 74.7894, 81.5127

Trichromacy



Original Color

68.9088, 74.9766, 16.1502

Protanomaly

68.4463, 75.1383, 16.2058

Deuteranomaly

71.3301, 74.6664, 32.8428

Tritanomaly

73.3793, 74.2300, 47.5061

Monochromacy



Original Color

68.9088, 74.9766, 16.1502

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.1376, 69.5390, 43.7602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9088, 74.9766, 16.1502 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, 67)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 67)  
}
```

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, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 67) }
```

Border

The CSS property to change the border of an element to XYZ 68.9088, 74.9766, 16.1502 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, 67) }
```


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

```
.border{ border-color:rgb(255, 224, 67) }
```

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, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 67);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9088, 74.9766, 16.1502 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, 67) }
```

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

```
.background{ background-color: rgb(255,  
224, 67) }
```

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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