

# Converting Colors

XYZ(67.9251, 74.3949, 11.5506)

Have a look what the booklet for  
XYZ(67.9251, 74.3949, 11.5506)  
contains.

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# **Color**

**XYZ(68.0405, 74.6292,  
11.5778)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE016
RGB	255, 224, 22
RGB Percent	100%, 88%, 9%
CMY	0.0000, 0.1215, 0.9137
CMYK	0.00, 0.12, 0.91, 0.00
HSL	52°, 100%, 54%
HSV	52°, 91%, 100%
XYZ	68.0405, 74.6292, 11.5778
YIQ	210.2410, 83.3180, -56.2500

# Conversions

## Conversions Part 2

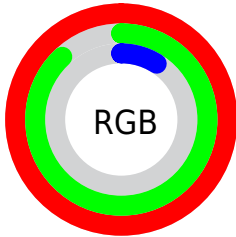
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	58, 255, 22
Decimal	16769046
CIE Lab	89.22, -6.25, 86.66
CIE LCh	89, 86.886, 94.125
Yxy	74.6292, 0.4411, 0.4838
Android (android.graphics.Color)	4294959126 (0xFFFFE016)
YUV	210.2410, -92.8028, 39.2536
Hunter-Lab	86.3882, -10.5903, 52.5257

# Details

The XYZ color **68.0405, 74.6292, 11.5778** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **19.6547, 9.9378, 95.4894**, and the grayscale version is **61.9727, 65.2001, 71.0029**.

A 20% lighter version of the original color is **79.1113, 93.6245, 24.9681**, and **36.1803, 39.7134, 5.7585** is the 20% darker color. If you saturate the color by 10%, you get **67.1168, 73.0139, 10.5557**, and if you desaturate by 10%, it is **69.3416, 76.6259, 13.8799**.

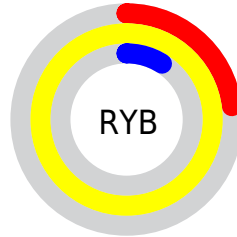
# Distribution



Red (100%)

Green (88%)

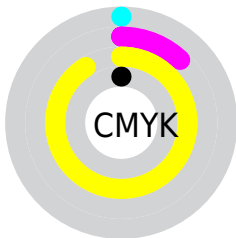
Blue (9%)



Red (23%)

Yellow (100%)

Blue (9%)

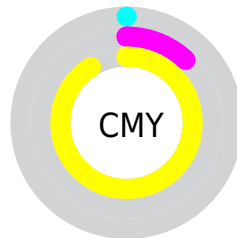


Cyan (0%)

Magenta (12%)

Yellow (91%)

Black (0%)



Cyan (0%)

Magenta (12%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0405, 74.6292, 11.5778 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 68.0405, 74.6292, 11.5778 by changing the saturation by 10% instead.



68.0405, 74.6292,  
11.5778

68.0405, 74.6292,  
11.5778

443.0140,  
476.6421, 212.4676

50.2045, 55.3092,  
6.3379

115.4517,  
125.7873, 29.3766

35.7944, 39.6493,  
2.9795

145.7575,  
158.3942, 42.7725

24.4448, 27.2652,  
1.0842

180.9507,  
196.1989, 59.7242

15.7904, 17.7725,  
0.0000

221.3966,  
239.5857, 80.6501

9.4659, 10.7868,  
0.0000

267.4605,  
288.9390, 105.9689

5.1058, 5.9237,  
0.0000

319.5078,

2.3449, 2.7987,

344.6432, 136.0990

0.0000

377.9038,  
407.0828, 171.4591

■ 0.8175, 1.0276,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 68.0405, 74.6292,  
11.5778

■ 68.0405, 74.6292,  
11.5778

■ 67.1168, 73.0139,  
10.5557

■ 69.3416, 76.6259,  
13.8799

■ 70.9603, 78.7760,  
17.7716

■ 72.9438, 81.1015,  
23.4932

■ 75.3299, 83.6176,  
31.2439

■ 78.1516, 86.3376,  
41.1964

■ 81.4382, 89.2736,  
53.5053

■ 85.2167, 92.4364,  
68.3113

■ 89.5116, 95.8360,  
85.7438

94.3460, 99.4818,  
105.9235

# Harmonies

## Analogous

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



90.2529, 74.6292, 14.9752



68.0405, 74.6292, 11.5778



50.4323, 74.6292, 17.8630

# Triad

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



68.0405, 74.6292, 11.5778



42.2542, 74.6292, 165.9328



114.2990, 74.6292, 143.6028

# Complementary

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



68.0405, 74.6292, 11.5778



19.6547, 9.9378, 95.4894

# 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.



96.3493, 74.6292, 221.2935



68.0405, 74.6292, 11.5778



54.5876, 74.6292, 238.0793

# Square

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



68.0405, 74.6292, 11.5778



37.5460, 74.6292, 89.9498



73.9060, 74.6292, 262.1976



119.8590, 74.6292, 73.1460



# Rectangle

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



68.0405, 74.6292, 11.5778



42.7618, 74.6292, 30.2452



73.9060, 74.6292, 262.1976



109.3597, 74.6292, 170.6786

# Sweetspot

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



68.0422, 74.6328, 11.5793



83.0264, 90.6265, 59.6547



42.1714, 22.0921, 5.4195



17.5036, 19.1706, 11.7305



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.



68.0422, 74.6328, 11.5793



67.1172, 73.0144, 10.5557



52.3900, 80.0760, 13.4549



19.3430, 20.6542, 19.1115



35.1503, 38.3118, 5.5423



3.4772, 3.8397, 0.5579



# Inverse Universe

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



19.6547, 9.9378, 95.4894



18.6198, 8.3596, 95.2399



24.4540, 10.9478, 95.4314



17.1978, 17.7672, 22.7729



9.7886, 4.4869, 49.7847



1.0104, 0.5514, 4.8665



# Previews

## White Background



This preview shows how the XYZ color 68.0405, 74.6292, 11.5778 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

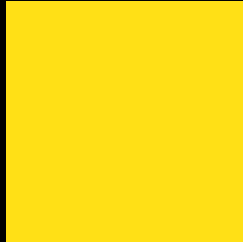
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.0405, 74.6292, 11.5778 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 68.0405, 74.6292, 11.5778**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.0405, 74.6292, 11.5778.



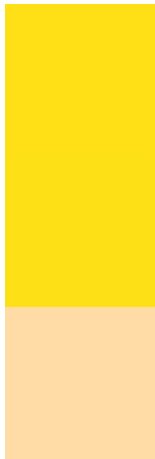
This preview shows how white text looks on a background with the XYZ color 68.0405, 74.6292,



# 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

68.0405, 74.6292, 11.5778

### Protanopia

67.5780, 74.7910, 11.6334

### Deuteranopia

73.4545, 74.6762, 46.6189



## Tritanopia

78.4888, 74.2303, 80.7121

# Trichromacy



## Original Color

68.0405, 74.6292, 11.5778

## Protanomaly

67.9431, 74.9792, 11.6505

## Deuteranomaly

70.1337, 74.1878, 26.5428

## Tritanomaly

71.6388, 73.1201, 39.6160

# Monochromacy



## Original Color

68.0405, 74.6292, 11.5778

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

60.5470, 66.7226, 35.2788

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.0405, 74.6292, 11.5778 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, 22)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 22)  
}
```

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, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 22) }
```

## Border

The CSS property to change the border of an element to XYZ 68.0405, 74.6292, 11.5778 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, 22) }
```



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

```
.border{ border-color:rgb(255, 224, 22) }
```

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, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 22);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
22) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.0405, 74.6292, 11.5778 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, 22) }
```

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

```
.background{ background-color: rgb(255,  
224, 22) }
```

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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