

Converting Colors

XYZ(68.7471, 74.1870, 17.5336)

Have a look what the booklet for
XYZ(68.7471, 74.1870, 17.5336)
contains.

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Color

**XYZ(68.6658, 74.0244,
17.5065)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDE4C
RGB	255, 222, 76
RGB Percent	100%, 87%, 30%
CMY	0.0000, 0.1294, 0.7019
CMYK	0.00, 0.13, 0.70, 0.00
HSL	49°, 100%, 65%
HSV	49°, 70%, 100%
XYZ	68.6658, 74.0244, 17.5065
YIQ	215.2230, 66.5340, -38.4100

Conversions

Conversions Part 2

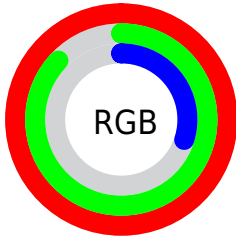
Format	Color
RYB	116, 255, 76
Decimal	16768588
CIELab	88.93, -3.66, 72.17
CIELCh	89, 72.260, 92.900
Yxy	74.0244, 0.4286, 0.4621
Android (android.graphics.Color)	4294958668 (0xFFFFDE4C)
YUV	215.2230, -68.6369, 34.8844
Hunter-Lab	86.0374, -8.1061, 48.1621

Details

The XYZ color **68.6658, 74.0244, 17.5065** 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 **26.4991, 19.6933, 97.0117**, and the grayscale version is **65.1635, 68.5571, 74.6587**.

A 20% lighter version of the original color is **81.2336, 94.4735, 36.1440**, and **36.0669, 39.1068, 5.6474** is the 20% darker color. If you saturate the color by 10%, you get **66.7184, 71.2785, 13.3167**, and if you desaturate by 10%, it is **71.0025, 76.9874, 23.5598**.

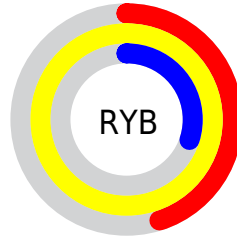
Distribution



Red (100%)

Green (87%)

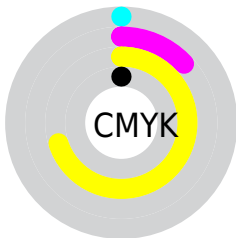
Blue (30%)



Red (45%)

Yellow (100%)

Blue (30%)

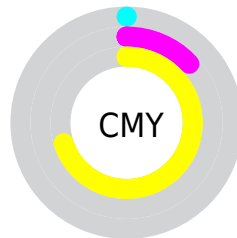


Cyan (0%)

Magenta (13%)

Yellow (70%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6658, 74.0244, 17.5065 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 68.6658, 74.0244, 17.5065 by changing the saturation by 10% instead.

68.6658, 74.0244,
17.5065

68.6658, 74.0244,
17.5065

445.1912,
474.5576, 250.2165

50.7152, 54.8140,
10.4305

116.3408,
124.9304, 39.9971

36.2022, 39.2528,
5.5760

146.7959,
157.3948, 56.2488

24.7612, 26.9565,
2.5244

182.1500,
195.0460, 76.3962

16.0270, 17.5405,
0.8531

222.7683,
238.2683, 100.8577

9.6342, 10.6206,
0.0000

269.0162,
287.4463, 130.0520

5.2175, 5.8123,
0.0000

321.2591,

2.4115, 2.7313,

342.9642, 164.3975

0.0000

379.8623,
405.2065, 204.3128

■ 0.8509, 0.9931,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.6658, 74.0244,
17.5065

■ 68.6658, 74.0244,
17.5065

■ 66.7184, 71.2785,
13.3167

■ 71.0025, 76.9874,
23.5598

■ 65.1107, 68.7209,
10.7527

■ 73.7608, 80.1723,
31.6674

■ 63.7950, 66.3705,
9.4484

■ 76.9750, 83.5962,
42.0015

■ 80.6744, 87.2711,
54.7148

■ 84.8856, 91.2082,
69.9465

■ 89.6334, 95.4177,
87.8251

94.9406, 99.9093,
108.4703

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.



86.8647, 74.0244, 21.5726



68.6658, 74.0244, 17.5065



53.5851, 74.0244, 23.6659

Triad

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



68.6658, 74.0244, 17.5065



45.6730, 74.0244, 145.2598



104.8486, 74.0244, 133.0847

Complementary

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



68.6658, 74.0244, 17.5065



26.4991, 19.6933, 97.0117

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.



90.3098, 74.0244, 191.9180



68.6658, 74.0244, 17.5065



56.0872, 74.0244, 200.7623

Square

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



68.6658, 74.0244, 17.5065



41.7677, 74.0244, 85.5850



72.0777, 74.0244, 220.6402



109.6953, 74.0244, 75.8124

Rectangle

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



68.6658, 74.0244, 17.5065



46.7441, 74.0244, 35.2528



72.0777, 74.0244, 220.6402



100.8260, 74.0244, 154.0172

Sweetspot

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



68.6675, 74.0279, 17.5080



84.5273, 90.8815, 68.6231



46.7382, 27.5949, 18.1349



17.8347, 19.2152, 13.7449



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.



68.6675, 74.0279, 17.5080



66.0695, 70.2841, 12.1635



61.2328, 84.5006, 19.9213



19.2598, 20.4878, 19.0838



33.4370, 34.8853, 4.9712



3.3261, 3.5376, 0.5075

Inverse Universe

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



26.4991, 19.6933, 97.0117



21.8458, 13.4659, 96.0555



29.7951, 17.1118, 96.3397



17.2738, 17.9192, 22.7983



10.0400, 4.9895, 49.8685



1.0468, 0.6243, 4.8786

Previews

White Background



This preview shows how the XYZ color 68.6658, 74.0244, 17.5065 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 68.6658, 74.0244, 17.5065 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 68.6658, 74.0244, 17.5065

Background



This preview shows how black text looks on a background with the XYZ color 68.6658, 74.0244, 17.5065.



This preview shows how white text looks on a background with the XYZ color 68.6658, 74.0244,

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

68.6658, 74.0244, 17.5065

Protanopia

67.4196, 74.1711, 17.7842

Deuteranopia

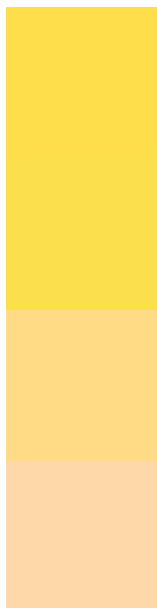
73.1943, 74.1560, 46.5322



Tritanopia

78.2380, 73.7288, 80.6285

Trichromacy



Original Color

68.6658, 74.0244, 17.5065

Protanomaly

67.8721, 74.0066, 17.7286

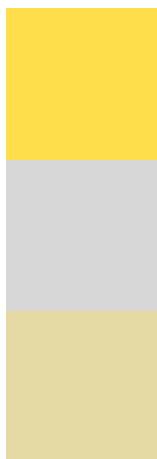
Deuteranomaly

70.8052, 73.6165, 32.6679

Tritanomaly

73.0516, 73.2740, 48.3233

Monochromacy



Original Color

68.6658, 74.0244, 17.5065

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.4054, 69.6461, 45.1705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6658, 74.0244, 17.5065 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, 222, 76)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 76)  
}
```

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, 222, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 76) }
```

Border

The CSS property to change the border of an element to XYZ 68.6658, 74.0244, 17.5065 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, 222, 76) }
```


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

```
.border{ border-color:rgb(255, 222, 76) }
```

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

Here you see how a box with a 4 pixel rgb(255, 222, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 76);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6658, 74.0244, 17.5065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 76) }
```

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

```
.background{ background-color: rgb(255,  
222, 76) }
```

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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