

Converting Colors

XYZ(125.9751, 100.0000,
20.4477)

Have a look what the booklet for
XYZ(125.9751, 100.0000, 20.4477)
contains.

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Color

**XYZ(66.5195, 69.4426,
17.6824)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD551
RGB	255, 213, 81
RGB Percent	100%, 84%, 32%
CMY	0.0000, 0.1647, 0.6823
CMYK	0.00, 0.16, 0.68, 0.00
HSL	46°, 100%, 66%
HSV	46°, 68%, 100%
XYZ	66.5195, 69.4426, 17.6824
YIQ	210.5100, 67.4040, -32.1480

Conversions

Conversions Part 2

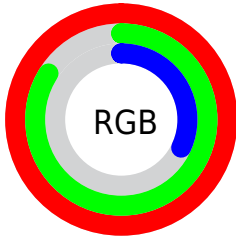
Format	Color
R_{YB}	136, 255, 81
Decimal	16766289
CIE _{Lab}	86.72, 1.15, 67.99
CIE _{LCh}	87, 68.001, 89.030
Yxy	69.4426, 0.4329, 0.4520
Android (android.graphics.Color)	4294956369 (0xFFFFD551)
YUV	210.5100, -63.8484, 39.0177
Hunter-Lab	83.3322, -3.3447, 45.7517

Details

The XYZ color **66.5195, 69.4426, 17.6824** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **28.5262, 23.1346, 97.5692**, and the grayscale version is **61.9718, 65.1991, 71.0019**.

A 20% lighter version of the original color is **81.4439, 94.5576, 37.2514**, and **34.7398, 36.3030, 5.6664** is the 20% darker color. If you saturate the color by 10%, you get **64.2186, 66.0948, 13.0510**, and if you desaturate by 10%, it is **69.2412, 73.0581, 24.2258**.

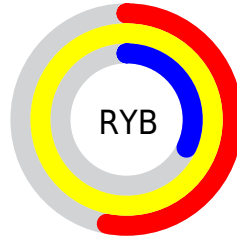
Distribution



Red (100%)

Green (84%)

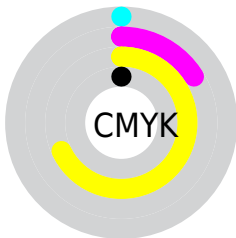
Blue (32%)



Red (53%)

Yellow (100%)

Blue (32%)

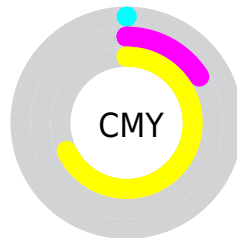


Cyan (0%)

Magenta (16%)

Yellow (68%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.5195, 69.4426, 17.6824 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 66.5195, 69.4426, 17.6824 by changing the saturation by 10% instead.

66.5195, 69.4426,
17.6824

66.5195, 69.4426,
17.6824

437.6919,
458.5904, 251.2505

48.9635, 51.0722,
10.5551

113.2852,
118.4135, 40.3020

34.8049, 36.2661,
5.6582

143.2257,
149.7829, 56.6314

23.6785, 24.6398,
2.5730

178.0250,
186.2540, 76.8653

15.2187, 15.8089,
0.8784

218.0485,
228.2114, 101.4221

9.0603, 9.3890,
0.0000

263.6616,
276.0393, 130.7206

4.8380, 4.9958,
0.0000

315.2296,

2.1863, 2.2448,

330.1222, 165.1791

0.0000

373.1180,
390.8444, 205.2162

■ 0.7355, 0.7443,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.5195, 69.4426,
17.6824

■ 66.5195, 69.4426,
17.6824

■ 64.2186, 66.0948,
13.0510

■ 69.2412, 73.0581,
24.2258

■ 62.2906, 62.9864,
10.1031

■ 72.4155, 76.9470,
32.8668

■ 60.6776, 60.0960,
8.5310

■ 76.0762, 81.1265,
43.7737

■ 60.4109, 59.6022,
8.3204

■ 80.2526, 85.6092,
57.0964

■ 84.9710, 90.4067,
72.9719

■ 90.2562, 95.5298,
91.5269

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



82.9217, 69.4426, 22.8211



66.5195, 69.4426, 17.6824



52.3185, 69.4426, 22.1638

Triad

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



66.5195, 69.4426, 17.6824



42.8239, 69.4426, 126.2378



95.6626, 69.4426, 129.8677

Complementary

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



66.5195, 69.4426, 17.6824



28.5262, 23.1346, 97.5692

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.



81.8873, 69.4426, 180.1899



66.5195, 69.4426, 17.6824



51.5581, 69.4426, 177.5709

Square

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



66.5195, 69.4426, 17.6824



40.0270, 69.4426, 74.1457



65.4894, 69.4426, 200.4008



101.3175, 69.4426, 77.0959

Rectangle

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



66.5195, 69.4426, 17.6824



45.6014, 69.4426, 31.6761



65.4894, 69.4426, 200.4008



91.7302, 69.4426, 148.2982

Sweetspot

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



66.5211, 69.4459, 17.6838



84.0974, 89.5363, 69.9766



47.8525, 28.6134, 22.2368



17.7104, 18.8723, 13.9941



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.



66.5211, 69.4459, 17.6838



63.4514, 64.8970, 11.7566



64.2528, 86.0367, 21.0057



19.1680, 20.3041, 19.0532



31.6884, 31.3881, 4.3883



3.1700, 3.2255, 0.4555

Inverse Universe

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



28.5262, 23.1346, 97.5692



23.3885, 16.2310, 96.5079



29.3777, 17.4281, 96.4228



17.3589, 18.0895, 22.8267



10.4147, 5.7389, 49.9934



1.0946, 0.7200, 4.8945

Previews

White Background



This preview shows how the XYZ color 66.5195, 69.4426, 17.6824 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 66.5195, 69.4426, 17.6824 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 66.5195, 69.4426, 17.6824

Background



This preview shows how black text looks on a background with the XYZ color 66.5195, 69.4426, 17.6824.



This preview shows how white text looks on a background with the XYZ color 66.5195, 69.4426,

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

66.5195, 69.4426, 17.6824

Protanopia

63.2123, 69.6292, 18.0908

Deuteranopia

69.3206, 69.3668, 36.1211



Tritanopia

75.0986, 69.3520, 73.7181

Trichromacy



Original Color

66.5195, 69.4426, 17.6824

Protanomaly

64.4366, 69.4951, 18.0004

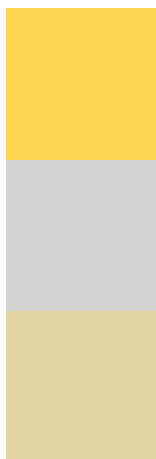
Deuteranomaly

67.9855, 69.2290, 27.8685

Tritanomaly

70.4358, 68.6388, 45.6126

Monochromacy



Original Color

66.5195, 69.4426, 17.6824

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

61.9229, 66.0982, 44.6165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.5195, 69.4426, 17.6824 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, 213, 81)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 81)  
}
```

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, 213, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 81) }
```

Border

The CSS property to change the border of an element to XYZ 66.5195, 69.4426, 17.6824 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, 213, 81) }
```


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

```
.border{ border-color:rgb(255, 213, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 213, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 81);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 66.5195, 69.4426, 17.6824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 81) }
```

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

```
.background{ background-color: rgb(255,  
213, 81) }
```

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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