

Converting Colors

XYZ(66.3448, 68.9715, 17.9997)

Have a look what the booklet for
XYZ(66.3448, 68.9715, 17.9997)
contains.

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Color

**XYZ(66.3448, 68.9715,
17.9997)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD453
RGB	255, 212, 83
RGB Percent	100%, 83%, 33%
CMY	0.0000, 0.1686, 0.6745
CMYK	0.00, 0.17, 0.67, 0.00
HSL	45°, 100%, 66%
HSV	45°, 67%, 100%
XYZ	66.3448, 68.9715, 17.9997
YIQ	210.1510, 67.0370, -31.0030

Conversions

Conversions Part 2

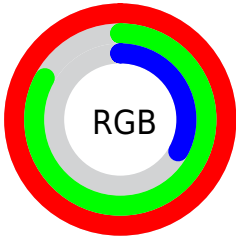
Format	Color
R _Y B	140, 255, 83
Decimal	16766035
CIE Lab	86.49, 1.77, 66.94
CIE LCh	86, 66.965, 88.489
Yxy	68.9715, 0.4327, 0.4499
Android (android.graphics.Color)	4294956115 (0xFFFFD453)
YUV	210.1510, -62.6854, 39.3326
Hunter-Lab	83.0491, -2.7389, 45.2841

Details

The XYZ color **66.3448, 68.9715, 17.9997** 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 **29.0779, 23.9799, 97.7031**, and the grayscale version is **61.7276, 64.9422, 70.7221**.

A 20% lighter version of the original color is **81.5874, 94.6150, 38.0072**, and **34.6104, 35.9772, 5.8296** is the 20% darker color. If you saturate the color by 10%, you get **63.9739, 65.5263, 13.2132**, and if you desaturate by 10%, it is **69.1437, 72.6939, 24.7154**.

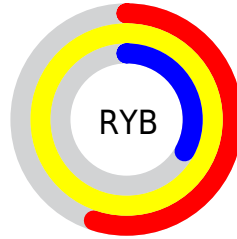
Distribution



Red (100%)

Green (83%)

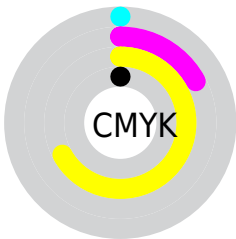
Blue (33%)



Red (55%)

Yellow (100%)

Blue (33%)

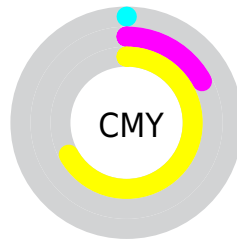


Cyan (0%)

Magenta (17%)

Yellow (67%)

Black (0%)



Cyan (0%)

Magenta (17%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.3448, 68.9715, 17.9997 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 66.3448, 68.9715, 17.9997 by changing the saturation by 10% instead.

66.3448, 68.9715,
17.9997

66.3448, 68.9715,
17.9997

437.0782,
456.9305, 253.1054

48.8211, 50.6885,
10.7803

113.0361,
117.7409, 40.8507

34.6915, 35.9608,
5.8070

142.9343,
148.9960, 57.3195

23.5908, 24.4039,
2.6612

177.6882,
185.3440, 77.7085

15.1534, 15.6335,
0.9238

217.6629,
227.1693, 102.4362

9.0141, 9.2652,
0.0000

263.2239,
274.8561, 131.9212

4.8076, 4.9146,
0.0000

314.7366,

2.1684, 2.1972,

328.7890, 166.5821

0.0000

372.5662,
389.3523, 206.8373

■ 0.7260, 0.7185,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.3448, 68.9715,
17.9997

■ 66.3448, 68.9715,
17.9997

■ 63.9739, 65.5263,
13.2132

■ 69.1437, 72.6939,
24.7154

■ 61.9835, 62.3302,
10.1308

■ 72.4021, 76.6992,
33.5441

■ 60.3198, 59.3631,
8.4658

■ 76.1536, 81.0046,
44.6523

■ 59.9270, 58.6345,
8.1591

■ 80.4271, 85.6228,
58.1889

■ 85.2491, 90.5655,
74.2900

■ 90.6442, 95.8435,
93.0818

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.



82.4039, 68.9715, 23.2942



66.3448, 68.9715, 17.9997



52.3391, 68.9715, 22.2775

Triad

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



66.3448, 68.9715, 17.9997



42.6895, 68.9715, 123.6266



94.3966, 68.9715, 129.1447

Complementary

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



66.3448, 68.9715, 17.9997



29.0779, 23.9799, 97.7031

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.



80.8278, 68.9715, 177.9062



66.3448, 68.9715, 17.9997



51.1757, 68.9715, 173.9342

Square

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



66.3448, 68.9715, 17.9997



40.0420, 68.9715, 72.8687



64.7722, 68.9715, 196.8612



100.1003, 68.9715, 77.3728

Rectangle

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



66.3448, 68.9715, 17.9997



45.6699, 68.9715, 31.5349



64.7722, 68.9715, 196.8612



90.5086, 68.9715, 147.0860

Sweetspot

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



66.3464, 68.9748, 18.0011



83.9662, 89.2740, 69.9328



48.0994, 28.9534, 22.7931



17.6786, 18.8089, 13.9835



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.



66.3464, 68.9748, 18.0011



63.2263, 64.3641, 11.9364



64.4727, 86.1412, 21.4133



19.1541, 20.2764, 19.0485



31.4381, 30.8875, 4.3049



3.1475, 3.1804, 0.4480

Inverse Universe

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



29.0779, 23.9799, 97.7031



23.8551, 16.9890, 96.6297



29.7480, 17.8429, 96.4832



17.3719, 18.1153, 22.8310



10.4805, 5.8706, 50.0153



1.1026, 0.7360, 4.8972

Previews

White Background



This preview shows how the XYZ color 66.3448, 68.9715, 17.9997 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 66.3448, 68.9715, 17.9997 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 66.3448, 68.9715, 17.9997

Background



This preview shows how black text looks on a background with the XYZ color 66.3448, 68.9715, 17.9997.



This preview shows how white text looks on a background with the XYZ color 66.3448, 68.9715,

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

66.3448, 68.9715, 17.9997

Protanopia

63.0310, 69.1430, 18.4114

Deuteranopia

68.8482, 68.7840, 34.8473



Tritanopia

74.8617, 68.8782, 73.6392

Trichromacy



Original Color

66.3448, 68.9715, 17.9997

Protanomaly

64.2584, 69.0151, 18.3220

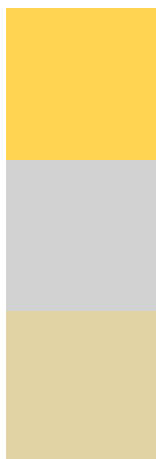
Deuteranomaly

67.6768, 68.7093, 27.4646

Tritanomaly

70.2864, 68.1926, 46.0172

Monochromacy



Original Color

66.3448, 68.9715, 17.9997

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

61.3591, 65.4376, 44.5187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.3448, 68.9715, 17.9997 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, 212, 83)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 83)  
}
```

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, 212, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 83) }
```

Border

The CSS property to change the border of an element to XYZ 66.3448, 68.9715, 17.9997 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, 212, 83) }
```


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

```
.border{ border-color:rgb(255, 212, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 212, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 83);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 66.3448, 68.9715, 17.9997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 83) }
```

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

```
.background{ background-color: rgb(255,  
212, 83) }
```

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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