

Converting Colors

XYZ(66.2857, 70.3827, 17.5651)

Have a look what the booklet for
XYZ(66.2857, 70.3827, 17.5651)
contains.

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Color

**XYZ(66.4752, 70.5589,
17.5127)**

Conversions

Conversions Part 1

Format	Color
Hex	FDD84F
RGB	253, 216, 79
RGB Percent	99%, 85%, 31%
CMY	0.0078, 0.1529, 0.6902
CMYK	0.00, 0.15, 0.69, 0.01
HSL	47°, 98%, 65%
HSV	47°, 69%, 99%
XYZ	66.4752, 70.5589, 17.5127
YIQ	211.4450, 66.0290, -34.7630

Conversions

Conversions Part 2

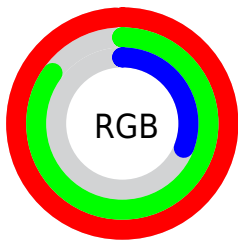
Format	Color
R_{YB}	126, 253, 79
Decimal	16635983
CIE _{Lab}	87.27, -1.31, 69.29
CIE _{LCh}	87, 69.298, 91.081
Yxy	70.5589, 0.4301, 0.4566
Android (android.graphics.Color)	4294826063 (0xFFFDD84F)
YUV	211.4450, -65.2954, 36.4437
Hunter-Lab	83.9993, -5.7380, 46.4384

Details

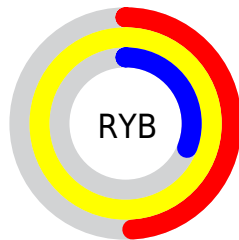
The XYZ color **66.4752, 70.5589, 17.5127** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **27.1994, 21.2443, 95.5950**, and the grayscale version is **62.6013, 65.8614, 71.7231**.

A 20% lighter version of the original color is **81.3732, 94.5293, 36.8788**, and **34.9620, 37.1978, 5.5957** is the 20% darker color. If you saturate the color by 10%, you get **64.3686, 67.5499, 13.0996**, and if you desaturate by 10%, it is **68.9804, 73.8050, 23.7880**.

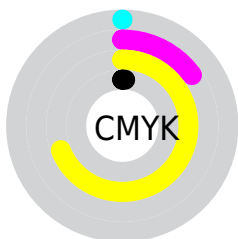
Distribution



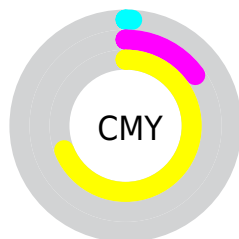
- Red (99%)
- Green (85%)
- Blue (31%)



- Red (49%)
- Yellow (99%)
- Blue (31%)



- Cyan (0%)
- Magenta (15%)
- Yellow (69%)
- Black (1%)



- Cyan (1%)
- Magenta (15%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.4752, 70.5589, 17.5127 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 66.4752, 70.5589, 17.5127 by changing the saturation by 10% instead.

66.4752, 70.5589,
17.5127

66.4752, 70.5589,
17.5127

437.5363,
462.5100, 250.2530

48.9274, 51.9823,
10.4349

113.2221,
120.0054, 40.0079

34.7762, 36.9910,
5.5789

143.1518,
151.6442, 56.2623

23.6562, 25.2005,
2.5261

177.9396,
188.4057, 76.4127

15.2022, 16.2265,
0.8540

217.9508,
230.6746, 100.8776

9.0486, 9.6846,
0.0000

263.5507,
278.8350, 130.0756

4.8303, 5.1903,
0.0000

315.1047,

2.1818, 2.3594,

333.2714, 164.4251

0.0000

372.9781,
394.3683, 204.3447

■ 0.7331, 0.8049,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.4752, 70.5589,
17.5127

■ 66.4752, 70.5589,
17.5127

■ 64.3686, 67.5499,
13.0996

■ 68.9804, 73.8050,
23.7880

■ 62.6132, 64.7501,
10.3221


■ 71.9153, 77.2931,
32.1087


■ 61.1490, 62.1376,
8.8600


■ 75.3132, 81.0400,
42.6409


■ 60.9795, 61.8260,
8.7196

■ 79.2025, 85.0576,
55.5323

 83.6093, 89.3569,
70.9179

 88.5576, 93.9484,
88.9225

 93.8916, 98.7702,
108.7237

 94.3178, 99.6225,
108.8657

Harmonies

Analogous

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



83.3796, 70.5589, 22.0203



66.4752, 70.5589, 17.5127



52.1592, 70.5589, 22.7639

Triad

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



66.4752, 70.5589, 17.5127



43.6565, 70.5589, 133.0628



98.3856, 70.5589, 128.8818

Complementary

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



66.4752, 70.5589, 17.5127



27.1994, 21.2443, 95.5950

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.



84.5681, 70.5589, 182.1058



66.4752, 70.5589, 17.5127



53.0292, 70.5589, 185.1296

Square

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



66.4752, 70.5589, 17.5127



40.3695, 70.5589, 78.5307



67.6565, 70.5589, 205.9410



103.5077, 70.5589, 75.1475

Rectangle

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



66.4752, 70.5589, 17.5127



45.5274, 70.5589, 33.1286



67.6565, 70.5589, 205.9410



94.5043, 70.5589, 148.0826

Sweetspot

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



66.4768, 70.5623, 17.5141



84.0706, 89.9681, 68.4709



46.4975, 27.7525, 19.6443



17.7249, 18.9957, 13.7084



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.



66.4768, 70.5623, 17.5141



64.7295, 67.5310, 11.9425



61.3564, 83.6099, 20.3024



19.2142, 20.3965, 19.0686



32.5493, 33.1099, 4.6753



3.2471, 3.3796, 0.4812

Inverse Universe

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



27.1994, 21.2443, 95.5950



22.5794, 14.7780, 96.2701



29.4735, 17.2971, 94.7133



17.3159, 18.0035, 22.8123



10.2128, 5.3351, 49.9261



1.0694, 0.6695, 4.8861

Previews

White Background



This preview shows how the XYZ color 66.4752, 70.5589, 17.5127 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 66.4752, 70.5589, 17.5127 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 66.4752, 70.5589, 17.5127

Background



This preview shows how black text looks on a background with the XYZ color 66.4752, 70.5589, 17.5127.



This preview shows how white text looks on a background with the XYZ color 66.4752, 70.5589,

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

66.4752, 70.5589, 17.5127

Protanopia

64.0877, 70.4753, 17.8147

Deuteranopia

70.2083, 70.5169, 38.3445



Tritanopia

75.9662, 70.4646, 75.9268

Trichromacy



Original Color

66.4752, 70.5589, 17.5127

Protanomaly

64.8771, 70.4962, 17.7771

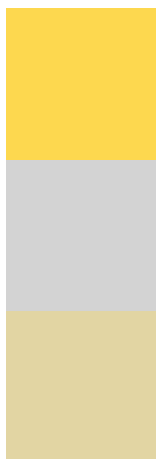
Deuteranomaly

68.3054, 70.1146, 29.0022

Tritanomaly

70.8947, 69.9540, 46.3251

Monochromacy



Original Color

66.4752, 70.5589, 17.5127

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

61.7691, 66.4016, 44.2115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.4752, 70.5589, 17.5127 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(253, 216, 79)` looks like.

```
.text, #text, p{  
    color:rgb(253, 216, 79)  
}
```

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(253, 216, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 216, 79) }
```

Border

The CSS property to change the border of an element to XYZ 66.4752, 70.5589, 17.5127 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(253, 216, 79) }
```


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

```
.border{ border-color:rgb(253, 216, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 216, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 216, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 216, 79);  
box-shadow:4px 4px 4px 4px rgb(253, 216,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 66.4752, 70.5589, 17.5127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 216, 79) }
```

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

```
.background{ background-color: rgb(253,  
216, 79) }
```

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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