

Converting Colors

XYZ(67.6617, 71.4869, 20.5881)

Have a look what the booklet for
XYZ(67.6617, 71.4869, 20.5881)
contains.

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Color

**XYZ(67.6617, 71.4869,
20.5881)**

Conversions

Conversions Part 1

Format	Color
Hex	FED95D
RGB	254, 217, 93
RGB Percent	100%, 85%, 36%
CMY	0.0039, 0.1490, 0.6353
CMYK	0.00, 0.15, 0.63, 0.00
HSL	46°, 99%, 68%
HSV	46°, 63%, 100%
XYZ	67.6617, 71.4869, 20.5881
YIQ	213.9270, 61.8560, -30.7200

Conversions

Conversions Part 2

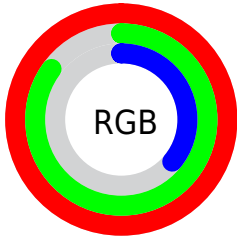
Format	Color
R _Y B	141, 254, 93
Decimal	16701789
CIE Lab	87.72, -0.62, 64.04
CIE LCh	88, 64.039, 90.559
Yxy	71.4869, 0.4236, 0.4475
Android (android.graphics.Color)	4294891869 (0xFF FED95D)
YUV	213.9270, -59.6170, 35.1440
Hunter-Lab	84.5499, -5.1164, 44.7477

Details

The XYZ color **67.6617, 71.4869, 20.5881** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **30.3860, 25.4473, 97.0757**, and the grayscale version is **64.2285, 67.5733, 73.5874**.

A 20% lighter version of the original color is **82.3453, 94.9181, 41.9979**, and **35.4869, 37.4374, 7.0248** is the 20% darker color. If you saturate the color by 10%, you get **65.2408, 68.1566, 15.1226**, and if you desaturate by 10%, it is **70.5126, 75.0799, 28.0410**.

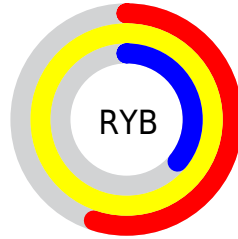
Distribution



Red (100%)

Green (85%)

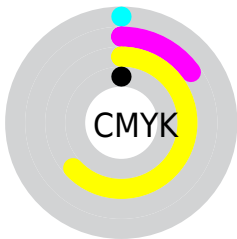
Blue (36%)



Red (55%)

Yellow (100%)

Blue (36%)

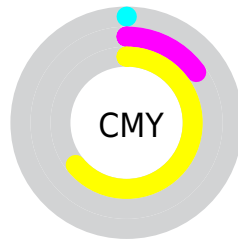


Cyan (0%)

Magenta (15%)

Yellow (63%)

Black (0%)



Cyan (0%)

Magenta (15%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.6617, 71.4869, 20.5881 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 67.6617, 71.4869, 20.5881 by changing the saturation by 10% instead.

67.6617, 71.4869,
20.5881

67.6617, 71.4869,
20.5881

441.6920,
465.7537, 267.7901

49.8952, 52.7396,
12.6349

114.9126,
121.3268, 45.2729

35.5476, 37.5950,
7.0499

145.1278,
153.1881, 62.8415

24.2535, 25.6685,
3.4144

180.2232,
190.1897, 84.4525

15.6475, 16.5758,
1.3099

220.5643,
232.7158, 110.5242

9.3643, 9.9325,
0.0699

266.5164,
281.1509, 141.4753

5.0386, 5.3542,
0.0000

318.4448,

2.3049, 2.4566,

335.8793, 177.7243

0.0000

376.7149,
397.2854, 219.6897

■ 0.7972, 0.8548,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.6617, 71.4869,
20.5881

■ 67.6617, 71.4869,
20.5881

■ 65.2408, 68.1566,
15.1226

■ 70.5126, 75.0799,
28.0410

■ 63.2058, 65.0621,
11.4366

■ 73.8225, 78.9396,
37.6529

■ 61.5107, 62.1870,
9.2836

■ 77.6232, 83.0825,
49.5817

■ 60.5310, 60.3871,
8.4655

■ 81.9421, 87.5204,
63.9692

86.8045, 92.2641,
80.9461

92.2339, 97.3239,
100.6334

94.6828, 99.8107,
108.8828

Harmonies

Analogous

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



83.3320, 71.4869, 25.3641



67.6617, 71.4869, 20.5881



54.1560, 71.4869, 25.7524

Triad

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



67.6617, 71.4869, 20.5881



45.7772, 71.4869, 128.5626



96.6775, 71.4869, 126.5984

Complementary

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



67.6617, 71.4869, 20.5881



30.3860, 25.4473, 97.0757

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.



83.8986, 71.4869, 174.3305



67.6617, 71.4869, 20.5881



54.5812, 71.4869, 175.7307

Square

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



67.6617, 71.4869, 20.5881



42.7318, 71.4869, 78.6557



68.2314, 71.4869, 194.9704



101.5245, 71.4869, 77.0241

Rectangle

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



67.6617, 71.4869, 20.5881



47.7995, 71.4869, 35.8828



68.2314, 71.4869, 194.9704



93.0816, 71.4869, 143.9621

Sweetspot

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



67.6634, 71.4903, 20.5895



84.7584, 90.3647, 71.7183



48.8551, 30.5271, 24.6374



17.8484, 19.0526, 14.3355



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.



67.6634, 71.4903, 20.5895



65.2505, 67.9247, 14.1149



64.3007, 85.5324, 23.4772



19.1865, 20.3413, 19.0593



32.0301, 32.0715, 4.5023



3.2007, 3.2868, 0.4657

Inverse Universe

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



30.3860, 25.4473, 97.0757



25.1131, 18.4710, 96.8494



31.9469, 20.2139, 95.9833



17.3416, 18.0548, 22.8209



10.3301, 5.5698, 49.9652



1.0842, 0.6991, 4.8911

Previews

White Background



This preview shows how the XYZ color 67.6617, 71.4869, 20.5881 looks on a white background.

Color Contrast Check

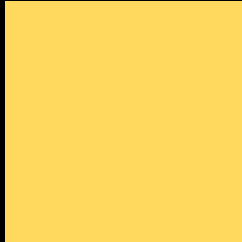
Large Text (above 18pt) WCAG AA × Fail

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 67.6617, 71.4869, 20.5881 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 67.6617, 71.4869, 20.5881

Background



This preview shows how black text looks on a background with the XYZ color 67.6617, 71.4869, 20.5881.



This preview shows how white text looks on a background with the XYZ color 67.6617, 71.4869,

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

67.6617, 71.4869, 20.5881

Protanopia

65.2698, 71.4070, 20.9325

Deuteranopia

71.0350, 71.2488, 41.4609



Tritanopia

76.7141, 71.5391, 77.4753

Trichromacy



Original Color

67.6617, 71.4869, 20.5881

Protanomaly

66.0633, 71.4276, 20.8947

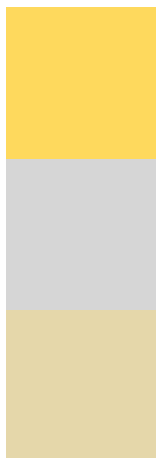
Deuteranomaly

69.5202, 71.0466, 32.2396

Tritanomaly

72.1742, 70.9045, 49.9263

Monochromacy



Original Color

67.6617, 71.4869, 20.5881

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.8692, 68.1612, 47.8204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6617, 71.4869, 20.5881 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(254, 217, 93)` looks like.

```
.text, #text, p{  
    color:rgb(254, 217, 93)  
}
```

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(254, 217, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 217, 93) }
```

Border

The CSS property to change the border of an element to XYZ 67.6617, 71.4869, 20.5881 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(254, 217, 93) }
```


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

```
.border{ border-color:rgb(254, 217, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 217, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 217, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 217, 93);  
box-shadow:4px 4px 4px 4px rgb(254, 217,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6617, 71.4869, 20.5881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 217, 93) }
```

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

```
.background{ background-color: rgb(254,  
217, 93) }
```

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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