

Converting Colors

XYZ(66.9381, 78.4991, 16.6249)

Have a look what the booklet for
XYZ(66.9381, 78.4991, 16.6249)
contains.

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Color

**XYZ(66.9381, 78.4991,
16.6249)**

Conversions

Conversions Part 1

Format	Color
Hex	F1EB41
RGB	241, 235, 65
RGB Percent	95%, 92%, 25%
CMY	0.0549, 0.0784, 0.7451
CMYK	0.00, 0.02, 0.73, 0.05
HSL	58°, 86%, 60%
HSV	58°, 73%, 95%
XYZ	66.9381, 78.4991, 16.6249
YIQ	217.4140, 58.1460, -51.5980

Conversions

Conversions Part 2

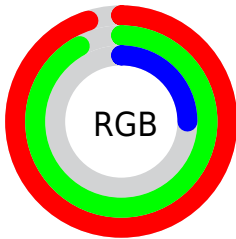
Format	Color
RYB	71, 241, 65
Decimal	15854401
CIELab	91.01, -16.39, 77.60
CIELCh	91, 79.310, 101.924
Yxy	78.4991, 0.4130, 0.4844
Android (android.graphics.Color)	4294044481 (0xFFFF1EB41)
YUV	217.4140, -75.1401, 20.6849
Hunter-Lab	88.5997, -20.1907, 50.8946

Details

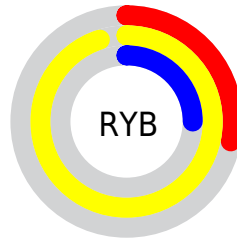
The XYZ color **66.9381, 78.4991, 16.6249** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **20.3107, 11.9813, 84.4606**, and the grayscale version is **66.7117, 70.1859, 76.4325**.

A 20% lighter version of the original color is **80.6381, 94.2352, 33.0079**, and **35.3773, 42.4663, 6.3322** is the 20% darker color. If you saturate the color by 10%, you get **66.1498, 77.8116, 13.6220**, and if you desaturate by 10%, it is **68.0287, 79.3151, 21.1986**.

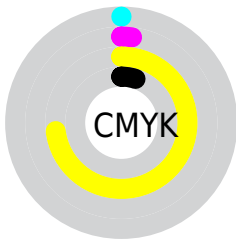
Distribution



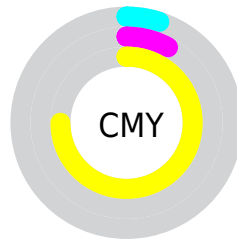
- Red (95%)
- Green (92%)
- Blue (25%)



- Red (28%)
- Yellow (95%)
- Blue (25%)



- Cyan (0%)
- Magenta (2%)
- Yellow (73%)
- Black (5%)



- Cyan (5%)
- Magenta (8%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.9381, 78.4991, 16.6249 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 66.9381, 78.4991, 16.6249 by changing the saturation by 10% instead.

66.9381, 78.4991,
16.6249

66.9381, 78.4991,
16.6249

439.1603,
489.8602, 244.9717

49.3048, 58.4841,
9.8083

113.8820,
131.2535, 38.4615

35.0769, 42.1979,
5.1681

143.9233,
164.7616, 54.3185

23.8889, 29.2563,
2.2858

178.8314,
203.5362, 74.0262

15.3755, 19.2748,
0.7232

218.9716,
247.9616, 98.0029

9.1714, 11.8690,
0.0000

264.7092,
298.4224, 126.6673

4.9111, 6.6545,
0.0000

316.4097,

2.2294, 3.2470,

355.3028, 160.4379

0.0000

374.4382,
418.9873, 199.7332

■ 0.7582, 1.2620,
0.0000

■ 0.0000, 0.1115,
0.0000

■ 66.9381, 78.4991,
16.6249

■ 66.9381, 78.4991,
16.6249

■ 66.1498, 77.8116,
13.6220

■ 68.0287, 79.3151,
21.1986


■ 65.6175, 77.2254,
11.9700


■ 69.4500, 80.2622,
27.5156


■ 65.3557, 76.8613,
11.3911


■ 71.2327, 81.3556,
35.7312


■ 73.4031, 82.6057,
45.9822

 75.9845, 84.0221,
58.3928

 78.9988, 85.6133,
73.0773

 82.4661, 87.3875,
90.1419

 85.9501, 89.1701,
107.2892

 86.1944, 89.6586,
107.3707

Harmonies

Analogous

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



87.2017, 78.4991, 17.6741



66.9381, 78.4991, 16.6249



51.7367, 78.4991, 26.8939

Triad

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



66.9381, 78.4991, 16.6249



49.4820, 78.4991, 182.2978



117.5064, 78.4991, 124.4382

Complementary

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



66.9381, 78.4991, 16.6249



20.3107, 11.9813, 84.4606

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.



103.3942, 78.4991, 196.5127



66.9381, 78.4991, 16.6249



63.2947, 78.4991, 238.9146

Square

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



66.9381, 78.4991, 16.6249



42.9336, 78.4991, 110.3291



82.8490, 78.4991, 245.0421



118.9596, 78.4991, 64.6608

Rectangle

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



66.9381, 78.4991, 16.6249



45.5436, 78.4991, 43.3823



82.8490, 78.4991, 245.0421



113.9827, 78.4991, 148.5537

Sweetspot

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



66.9399, 78.5028, 16.6265



86.6908, 95.6861, 67.8721



39.3956, 22.9738, 8.8024



18.3716, 20.3818, 13.6380



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.



66.9399, 78.5028, 16.6265



74.8527, 88.0981, 14.3283



47.2696, 70.9526, 16.2059



17.0741, 18.3613, 16.7939



35.4625, 41.7230, 6.1843



2.9645, 3.4997, 0.5193

Inverse Universe

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



20.3107, 11.9813, 84.4606



19.3039, 8.9068, 95.3095



29.3049, 16.0798, 84.7777



14.9404, 15.3149, 19.8902



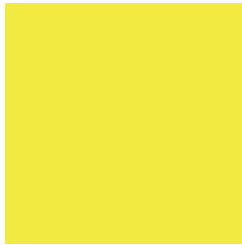
8.6777, 3.5797, 45.3614



0.7370, 0.3280, 3.7787

Previews

White Background



This preview shows how the XYZ color 66.9381, 78.4991, 16.6249 looks on a white background.

Color Contrast Check

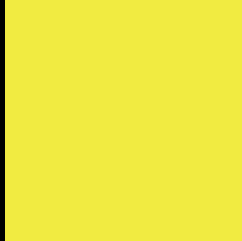
Large Text (above 18pt) WCAG AA × Fail

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 66.9381, 78.4991, 16.6249 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 66.9381, 78.4991, 16.6249

Background



This preview shows how black text looks on a background with the XYZ color 66.9381, 78.4991, 16.6249.



This preview shows how white text looks on a background with the XYZ color 66.9381, 78.4991,

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

66.9381, 78.4991, 16.6249

Protanopia

71.4251, 78.6090, 21.3061

Deuteranopia

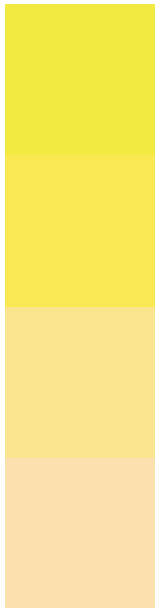
76.5474, 78.0320, 56.3746



Tritanopia

81.7118, 77.9792, 90.1017

Trichromacy



Original Color

66.9381, 78.4991, 16.6249

Protanomaly

69.8039, 78.6464, 19.4839

Deuteranomaly

71.9755, 77.7339, 36.4099

Tritanomaly

73.9895, 77.2304, 51.0517

Monochromacy



Original Color

66.9381, 78.4991, 16.6249

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

64.5413, 72.0887, 44.6952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9381, 78.4991, 16.6249 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(241, 235, 65)` looks like.

```
.text, #text, p{  
    color:rgb(241, 235, 65)  
}
```

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(241, 235, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 235, 65) }
```

Border

The CSS property to change the border of an element to XYZ 66.9381, 78.4991, 16.6249 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(241, 235, 65) }
```


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

```
.border{ border-color:rgb(241, 235, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 235, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 235, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 235, 65);  
box-shadow:4px 4px 4px 4px rgb(241, 235,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9381, 78.4991, 16.6249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 235, 65) }
```

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

```
.background{ background-color: rgb(241,  
235, 65) }
```

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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