

Converting Colors

XYZ(71.6580, 81.0569, 17.0541)

Have a look what the booklet for
XYZ(71.6580, 81.0569, 17.0541)
contains.

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Color

**XYZ(71.5648, 80.8808,
16.9940)**

Conversions

Conversions Part 1

Format	Color
Hex	FEEB42
RGB	254, 235, 66
RGB Percent	100%, 92%, 26%
CMY	0.0039, 0.0784, 0.7411
CMYK	0.00, 0.07, 0.74, 0.00
HSL	54°, 99%, 63%
HSV	54°, 74%, 100%
XYZ	71.5648, 80.8808, 16.9940
YIQ	221.4150, 65.5730, -48.5310

Conversions

Conversions Part 2

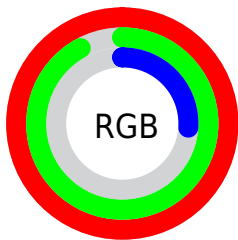
Format	Color
RYB	87, 254, 66
Decimal	16706370
CIELab	92.08, -10.98, 78.66
CIELCh	92, 79.424, 97.948
Yxy	80.8808, 0.4224, 0.4773
Android (android.graphics.Color)	4294896450 (0xFFFEEB42)
YUV	221.4150, -76.6196, 28.5770
Hunter-Lab	89.9338, -15.3427, 51.7501

Details

The XYZ color **71.5648, 80.8808, 16.9940** 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 **23.3850, 14.8111, 95.3918**, and the grayscale version is **69.5112, 73.1312, 79.6398**.

A 20% lighter version of the original color is **80.7017, 94.2607, 33.3427**, and **38.3136, 43.9800, 6.4696** is the 20% darker color. If you saturate the color by 10%, you get **70.2470, 79.1896, 13.6447**, and if you desaturate by 10%, it is **73.2291, 82.7337, 22.0994**.

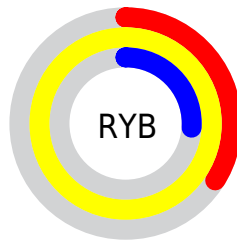
Distribution



Red (100%)

Green (92%)

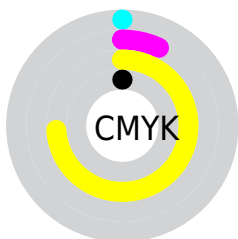
Blue (26%)



Red (34%)

Yellow (100%)

Blue (26%)

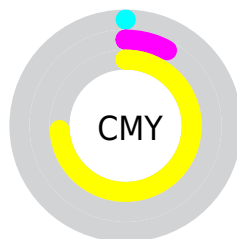


Cyan (0%)

Magenta (7%)

Yellow (74%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.5648, 80.8808, 16.9940 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 71.5648, 80.8808, 16.9940 by changing the saturation by 10% instead.

71.5648, 80.8808,
16.9940

71.5648, 80.8808,
16.9940

455.2066,
497.8963, 247.1806

53.0874, 60.4434,
10.0683

120.4517,
134.6034, 39.1060

38.1003, 43.7762,
5.3381

151.5920,
168.6574, 55.1293

26.2381, 30.4946,
2.3848

187.6840,
208.0191, 75.0223

17.1355, 20.2143,
0.7781

229.0930,
253.0728, 99.2035

10.4270, 12.5509,
0.0000

276.1844,
304.2030, 128.0913

5.7474, 7.1200,
0.0000

329.3236,

2.7313, 3.5373,

361.7940, 162.1044

0.0000

388.8759,
426.2303, 201.6613

■ 1.0133, 1.4183,
0.0000

■ 0.0000, 0.2301,
0.0000

■ 71.5648, 80.8808,
16.9940

■ 71.5648, 80.8808,
16.9940

■ 70.2470, 79.1896,
13.6447

■ 73.2291, 82.7337,
22.0994

■ 69.2224, 77.6295,
11.7953

■ 75.2734, 84.7526,
29.1616

■ 68.7093, 76.7437,
11.1916

■ 77.7333, 86.9547,
38.3596

■ 80.6386, 89.3523,
49.8505

■ 84.0166, 91.9561,
63.7770

■ 87.8921, 94.7762,
80.2701

■ 92.2883, 97.8220,
99.4513

■ 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.



92.6018, 80.8808, 19.4973



71.5648, 80.8808, 16.9940



55.1418, 80.8808, 25.7693

Triad

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



71.5648, 80.8808, 16.9940



49.8508, 80.8808, 177.0497



119.3795, 80.8808, 137.4688

Complementary

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



71.5648, 80.8808, 16.9940



23.3850, 14.8111, 95.3918

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.



103.6778, 80.8808, 210.0526



71.5648, 80.8808, 16.9940



63.0375, 80.8808, 239.0949

Square

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



71.5648, 80.8808, 16.9940



44.1386, 80.8808, 104.5729



82.4411, 80.8808, 253.2932



122.7616, 80.8808, 73.3936

Rectangle

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



71.5648, 80.8808, 16.9940



48.1327, 80.8808, 40.8046



82.4411, 80.8808, 253.2932



115.2482, 80.8808, 162.3598

Sweetspot

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



71.5667, 80.8846, 16.9956



85.5157, 93.3358, 67.4804



44.5804, 25.6715, 11.8248



18.0898, 19.8181, 13.5441



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.



71.5667, 80.8846, 16.9956



70.3269, 79.0975, 12.6625



55.7014, 81.2139, 17.8954



19.3952, 20.7585, 19.1289



36.2876, 40.5865, 5.9214



3.5766, 4.0386, 0.5910

Inverse Universe

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



23.3850, 14.8111, 95.3918



19.7131, 9.8334, 95.4668



30.3308, 16.4622, 95.3444



17.1506, 17.6729, 22.7572



9.6699, 4.2493, 49.7451



0.9882, 0.5071, 4.8591

Previews

White Background



This preview shows how the XYZ color 71.5648, 80.8808, 16.9940 looks on a white background.

Color Contrast Check

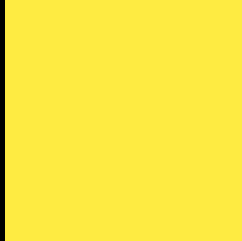
Large Text (above 18pt) WCAG AA × Fail

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 71.5648, 80.8808, 16.9940 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 71.5648, 80.8808, 16.9940

Background



This preview shows how black text looks on a background with the XYZ color 71.5648, 80.8808, 16.9940.



This preview shows how white text looks on a background with the XYZ color 71.5648, 80.8808,

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

71.5648, 80.8808, 16.9940

Protanopia

74.0806, 81.0185, 31.1357

Deuteranopia

78.7210, 80.6418, 62.4553



Tritanopia

82.8911, 80.5695, 89.7799

Trichromacy



Original Color

71.5648, 80.8808, 16.9940



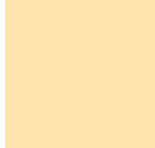
Protanomaly

73.1615, 81.1051, 24.8955



Deuteranomaly

75.0824, 80.5184, 39.1881



Tritanomaly

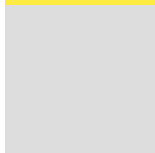
76.6234, 79.8028, 51.4094

Monochromacy



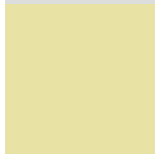
Original Color

71.5648, 80.8808, 16.9940



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

67.5922, 74.4330, 46.4018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.5648, 80.8808, 16.9940 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, 235, 66)` looks like.

```
.text, #text, p{  
    color:rgb(254, 235, 66)  
}
```

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, 235, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 235, 66) }
```

Border

The CSS property to change the border of an element to XYZ 71.5648, 80.8808, 16.9940 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, 235, 66) }
```


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

```
.border{ border-color:rgb(254, 235, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 235, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 235, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 235, 66);  
box-shadow:4px 4px 4px 4px rgb(254, 235,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 71.5648, 80.8808, 16.9940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 235, 66) }
```

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

```
.background{ background-color: rgb(254,  
235, 66) }
```

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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