

Converting Colors

XYZ(72.4611, 81.5853, 18.8630)

Have a look what the booklet for
XYZ(72.4611, 81.5853, 18.8630)
contains.

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Color

**XYZ(72.5750, 81.7867,
18.9825)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEC4D
RGB	255, 236, 77
RGB Percent	100%, 93%, 30%
CMY	0.0000, 0.0745, 0.6980
CMYK	0.00, 0.07, 0.70, 0.00
HSL	54°, 100%, 65%
HSV	54°, 70%, 100%
XYZ	72.5750, 81.7867, 18.9825
YIQ	223.5550, 62.3630, -45.4210

Conversions

Conversions Part 2

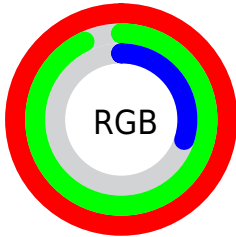
Format	Color
R _Y B	98, 255, 77
Decimal	16772173
CIE Lab	92.48, -10.59, 75.31
CIE LCh	92, 76.048, 98.001
Yxy	81.7867, 0.4187, 0.4718
Android (android.graphics.Color)	4294962253 (0xFFFFEC4D)
YUV	223.5550, -72.2516, 27.5773
Hunter-Lab	90.4360, -15.0165, 50.8602

Details

The XYZ color **72.5750, 81.7867, 18.9825** 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 **25.2936, 17.1634, 96.5869**, and the grayscale version is **71.0039, 74.7017, 81.3501**.

A 20% lighter version of the original color is **81.3732, 94.5293, 36.8788**, and **39.0296, 44.6498, 6.5612** is the 20% darker color. If you saturate the color by 10%, you get **71.0684, 79.9432, 14.8756**, and if you desaturate by 10%, it is **74.4500, 83.8029, 24.9539**.

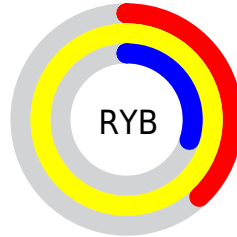
Distribution



Red (100%)

Green (93%)

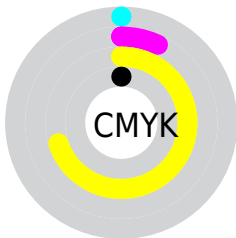
Blue (30%)



Red (38%)

Yellow (100%)

Blue (30%)

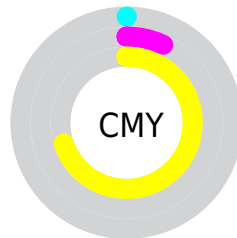


Cyan (0%)

Magenta (7%)

Yellow (70%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.5750, 81.7867, 18.9825 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 72.5750, 81.7867, 18.9825 by changing the saturation by 10% instead.

72.5750, 81.7867,
18.9825

72.5750, 81.7867,
18.9825

458.6671,
500.9339, 258.7716

53.9157, 61.1897,
11.4809

121.8801,
135.8748, 42.5408

38.7646, 44.3783,
6.2731

153.2565,
170.1348, 59.4347

26.7566, 30.9680,
2.9404

189.6027,
209.7179, 80.2964

17.5261, 20.5745,
1.0643

231.2839,
255.0085, 105.5445

10.7079, 12.8133,
0.0000

278.6657,
306.3910, 135.5975

5.9366, 7.3001,
0.0000

332.1132,

2.8469, 3.6505,

364.2498, 170.8740

0.0000

391.9919,
428.9693, 211.7926

■ 1.0733, 1.4800,
0.0000

■ 0.0026, 0.2746,
0.0000

■ 72.5750, 81.7867,
18.9825

■ 72.5750, 81.7867,
18.9825

■ 71.0684, 79.9432,
14.8756

■ 74.4500, 83.8029,
24.9539

■ 69.8805, 78.2430,
12.3969


■ 76.7246, 85.9950,
32.9788


■ 68.9430, 76.6620,
11.1781

■ 79.4331, 88.3800,
43.2288

■ 68.9254, 76.6312,
11.1585

■ 82.6042, 90.9693,
55.8557

 86.2645, 93.7737,
70.9985

 90.4382, 96.8030,
88.7849

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.



92.8265, 81.7867, 21.5338



72.5750, 81.7867, 18.9825



56.6443, 81.7867, 27.9516

Triad

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



72.5750, 81.7867, 18.9825



51.5149, 81.7867, 174.0683



118.4725, 81.7867, 136.2531

Complementary

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



72.5750, 81.7867, 18.9825



25.2936, 17.1634, 96.5869

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.



103.5039, 81.7867, 205.0015



72.5750, 81.7867, 18.9825



64.3762, 81.7867, 232.5083

Square

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



72.5750, 81.7867, 18.9825



45.9008, 81.7867, 105.0435



83.1356, 81.7867, 245.7426



121.6691, 81.7867, 74.7715

Rectangle

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



72.5750, 81.7867, 18.9825



49.8027, 81.7867, 43.0025



83.1356, 81.7867, 245.7426



114.5420, 81.7867, 159.9046

Sweetspot

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



72.5769, 81.7906, 18.9842



85.7998, 93.4266, 69.0473



46.0878, 27.4459, 14.3673



18.1412, 19.8282, 13.8471



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.



72.5769, 81.7906, 18.9842



70.5340, 79.2131, 13.6517



57.5364, 82.5910, 19.9314



19.3859, 20.7400, 19.1258



36.0821, 40.1753, 5.8529



3.5587, 4.0027, 0.5850

Inverse Universe

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



25.2936, 17.1634, 96.5869



20.7705, 11.3154, 95.6971



32.4229, 18.5697, 96.4826



17.1590, 17.6896, 22.7600



9.6889, 4.2874, 49.7515



0.9921, 0.5150, 4.8604

Previews

White Background



This preview shows how the XYZ color 72.5750, 81.7867, 18.9825 looks on a white background.

Color Contrast Check

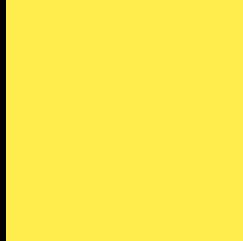
Large Text (above 18pt) WCAG AA × Fail

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 72.5750, 81.7867, 18.9825 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 72.5750, 81.7867, 18.9825

Background



This preview shows how black text looks on a background with the XYZ color 72.5750, 81.7867, 18.9825.



This preview shows how white text looks on a background with the XYZ color 72.5750, 81.7867,

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

72.5750, 81.7867, 18.9825

Protanopia

75.0360, 81.8549, 34.7664

Deuteranopia

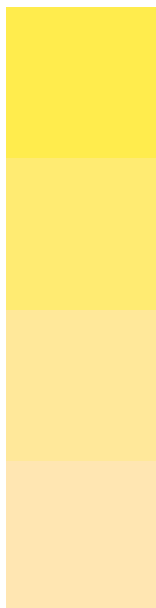
79.4524, 81.3758, 64.9456



Tritanopia

83.5767, 81.7088, 90.7233

Trichromacy



Original Color

72.5750, 81.7867, 18.9825

Protanomaly

73.9856, 81.8916, 27.8268

Deuteranomaly

75.9293, 81.3063, 42.2636

Tritanomaly

77.5727, 81.0680, 53.6786

Monochromacy



Original Color

72.5750, 81.7867, 18.9825

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.3550, 76.0892, 49.5594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.5750, 81.7867, 18.9825 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, 236, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 77)  
}
```

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, 236, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 77) }
```

Border

The CSS property to change the border of an element to XYZ 72.5750, 81.7867, 18.9825 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, 236, 77) }
```


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

```
.border{ border-color:rgb(255, 236, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 72.5750, 81.7867, 18.9825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 77) }
```

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

```
.background{ background-color: rgb(255,  
236, 77) }
```

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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