

Converting Colors

XYZ(57.5592, 80.3746, 12.4802)

Have a look what the booklet for
XYZ(57.5592, 80.3746, 12.4802)
contains.

XYZ(57.4743, 80.3770, 12.4851)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(57.4743, 80.3770,
12.4851)**

Conversions

Conversions Part 1

Format	Color
Hex	C6FA00
RGB	198, 250, 0
RGB Percent	78%, 98%, 0%
CMY	0.2235, 0.0196, 0.9998
CMYK	0.21, 0.00, 1.00, 0.02
HSL	72°, 100%, 49%
HSV	72°, 100%, 98%
XYZ	57.4743, 80.3770, 12.4851
YIQ	205.9520, 49.2580, -88.7740

Conversions

Conversions Part 2

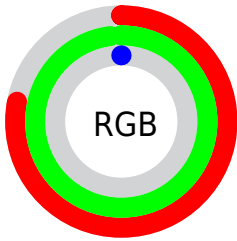
Format	Color
RYB	0, 250, 52
Decimal	13040128
CIELab	91.85, -42.07, 88.79
CIELCh	92, 98.254, 115.354
Yxy	80.3770, 0.3823, 0.5346
Android (android.graphics.Color)	4291230208 (0xFFC6FA00)
YUV	205.9520, -101.5343, -6.9739
Hunter-Lab	89.6532, -42.4615, 54.5005

Details

The XYZ color **57.4743, 80.3770, 12.4851** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **18.6751, 7.6346, 90.9367**, and the grayscale version is **59.2478, 62.3333, 67.8810**.

A 20% lighter version of the original color is **79.0204, 93.5882, 24.4892**, and **29.5512, 43.5432, 6.8472** is the 20% darker color. If you saturate the color by 10%, you get **57.4738, 80.3795, 12.4856**, and if you desaturate by 10%, it is **59.0466, 81.1699, 13.4772**.

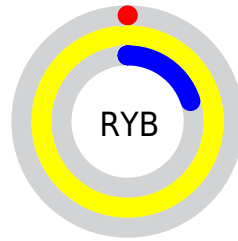
Distribution



Red (78%)

Green (98%)

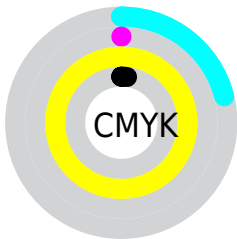
Blue (0%)



Red (0%)

Yellow (98%)

Blue (20%)

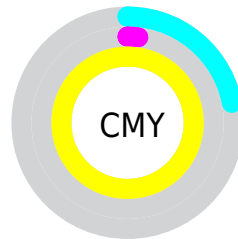


Cyan (21%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (22%)


Magenta (2%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.4743, 80.3770, 12.4851 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 57.4743, 80.3770, 12.4851 by changing the saturation by 10% instead.


 57.4743, 80.3770,
12.4851

 57.4743, 80.3770,
12.4851


405.2097,
496.2024, 218.6815


 41.6278, 60.0286,
6.9484


 100.2843,
133.8956, 31.0531

 28.9998, 43.4417,
3.3519


 127.9785,
167.8347, 44.9215


 19.2249, 30.2318,
1.2770


 160.3526,
207.0728, 62.4042

 11.9379, 20.0146,
0.0428

 197.7720,
251.9943, 83.9198

 6.7733, 12.4057,
0.0000

 240.6021,
302.9836, 109.8868

 3.3658, 7.0206,
0.0000

 289.2081,

 1.3500, 3.4750,

360.4252, 140.7237

0.0000

343.9556,
424.7033, 176.8491

■ 0.2202, 1.3844,
0.0000

■ 0.0000, 0.2052,
0.0000

■ 57.4743, 80.3770,
12.4851

■ 57.4743, 80.3770,
12.4851

■ 57.4738, 80.3795,
12.4856

■ 59.0466, 81.1699,
13.4772

■ 60.8896, 82.0738,
15.6547

■ 63.0748, 83.1200,
19.3832

■ 65.6445, 84.3256,
24.8835

■ 68.6342, 85.7049,
32.3411

■ 72.0753, 87.2705,
41.9179

■ 75.9957, 89.0335,
53.7591

■ 80.4210, 91.0043,
67.9969

■ 85.3748, 93.1922,
84.7535

Harmonies

Analogous

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



80.3868, 80.3770, 9.2824



57.4743, 80.3770, 12.4851



43.0733, 80.3770, 29.9689

Triad

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



57.4743, 80.3770, 12.4851



52.0344, 80.3770, 258.4421



135.5605, 80.3770, 99.2409

Complementary

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



57.4743, 80.3770, 12.4851



18.6751, 7.6346, 90.9367

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.



123.5764, 80.3770, 192.4449



57.4743, 80.3770, 12.4851



72.5393, 80.3770, 311.3891

Square

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



57.4743, 80.3770, 12.4851



40.4507, 80.3770, 161.3755



99.0720, 80.3770, 282.2668



129.0620, 80.3770, 40.5397

Rectangle

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



57.4743, 80.3770, 12.4851



38.4607, 80.3770, 56.9183



99.0720, 80.3770, 282.2668



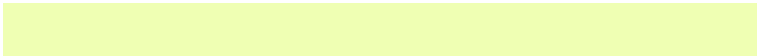
133.4975, 80.3770, 127.4875

Sweetspot

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



57.4761, 80.3806, 12.4868



79.4711, 93.1198, 56.1685



40.5686, 22.6091, 2.2269



16.6264, 19.7594, 10.8407



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.



57.4761, 80.3806, 12.4868



60.1026, 84.0691, 13.0592



37.0915, 69.8720, 11.5328



18.3531, 19.9978, 18.3550



30.6080, 42.6973, 6.6282



2.9205, 3.9987, 0.6179

Inverse Universe

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



18.6751, 7.6346, 90.9367



19.5210, 7.9783, 95.1188



34.9394, 16.0191, 91.6978



16.6204, 16.8169, 21.7553



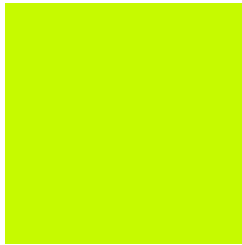
9.9993, 4.0975, 48.2374



1.0098, 0.4226, 4.4715

Previews

White Background



This preview shows how the XYZ color 57.4743, 80.3770, 12.4851 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 57.4743, 80.3770, 12.4851 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 57.4743, 80.3770, 12.4851

Background



This preview shows how black text looks on a background with the XYZ color 57.4743, 80.3770, 12.4851.

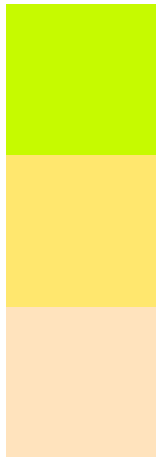


This preview shows how white text looks on a background with the XYZ color 57.4743, 80.3770,

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

57.4743, 80.3770, 12.4851

Protanopia

72.6304, 79.5376, 26.2761

Deuteranopia

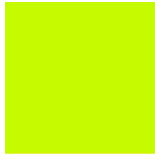
77.8944, 79.8723, 59.4555



Tritanopia

75.4826, 79.7383, 102.6795

Trichromacy



Original Color

57.4743, 80.3770, 12.4851



Protanomaly

65.6117, 79.0837, 17.6009



Deuteranomaly

67.0302, 78.2652, 29.3431



Tritanomaly

64.0756, 78.1200, 44.9592

Monochromacy



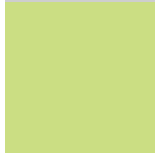
Original Color

57.4743, 80.3770, 12.4851



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

54.8466, 66.5778, 31.4328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.4743, 80.3770, 12.4851 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(198, 250, 0)` looks like.

```
.text, #text, p{  
    color:rgb(198, 250, 0)  
}
```

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(198, 250, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 250, 0) }
```

Border

The CSS property to change the border of an element to XYZ 57.4743, 80.3770, 12.4851 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(198, 250, 0) }
```


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

```
.border{ border-color:rgb(198, 250, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 250, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 250, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 250, 0);  
box-shadow:4px 4px 4px 4px rgb(198, 250,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 57.4743, 80.3770, 12.4851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 250, 0) }
```

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

```
.background{ background-color: rgb(198,  
250, 0) }
```

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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