

Converting Colors

XYZ(57.4754, 81.5151, 12.7047)

Have a look what the booklet for
XYZ(57.4754, 81.5151, 12.7047)
contains.

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Color

**XYZ(57.3161, 81.2229,
12.6567)**

Conversions

Conversions Part 1

Format	Color
Hex	C3FC00
RGB	195, 252, 0
RGB Percent	76%, 99%, 0%
CMY	0.2353, 0.0117, 0.9998
CMYK	0.23, 0.00, 1.00, 0.01
HSL	74°, 100%, 49%
HSV	74°, 100%, 99%
XYZ	57.3161, 81.2229, 12.6567
YIQ	206.2290, 46.9200, -90.4560

Conversions

Conversions Part 2

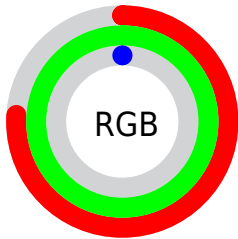
Format	Color
RYB	0, 252, 57
Decimal	12844032
CIELab	92.23, -44.09, 89.00
CIELCh	92, 99.319, 116.353
Yxy	81.2229, 0.3791, 0.5372
Android (android.graphics.Color)	4291034112 (0xFFC3FC00)
YUV	206.2290, -101.6709, -9.8478
Hunter-Lab	90.1237, -44.1957, 54.7601

Details

The XYZ color **57.3161, 81.2229, 12.6567** 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 **19.2619, 7.9007, 92.6100**, and the grayscale version is **59.4282, 62.5231, 68.0877**.

A 20% lighter version of the original color is **79.0204, 93.5882, 24.4892**, and **29.5068, 44.1811, 6.9726** is the 20% darker color. If you saturate the color by 10%, you get **57.3155, 81.2253, 12.6572**, and if you desaturate by 10%, it is **58.9973, 82.0718, 13.6652**.

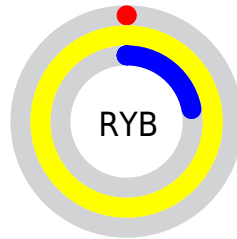
Distribution



Red (76%)

Green (99%)

Blue (0%)



Red (0%)

Yellow (99%)

Blue (22%)

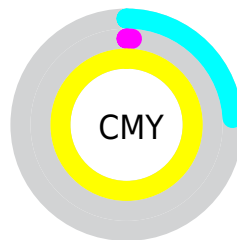


Cyan (23%)

Magenta (0%)

Yellow (100%)

Black (1%)



Cyan (24%)


Magenta (1%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.3161, 81.2229, 12.6567 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 57.3161, 81.2229, 12.6567 by changing the saturation by 10% instead.


 57.3161, 81.2229,
12.6567

 57.3161, 81.2229,
12.6567


404.6278,
499.0446, 219.8356


 41.5002, 60.7252,
7.0646


 100.0550,
135.0837, 31.3677


 28.8995, 44.0034,
3.4235


 127.7087,
169.2156, 45.3238


 19.1487, 30.6732,
1.3147


 160.0390,
208.6610, 62.9049

 11.8824, 20.3501,
0.0738


 197.4113,
253.8043, 84.5297

 6.7353, 12.6498,
0.0000

 240.1910,
305.0299, 110.6166

 3.3420, 7.1879,
0.0000

 288.7434,

 1.3371, 3.5799,

362.7223, 141.5842

0.0000

343.4339,
427.2657, 177.8510

■ 0.2107, 1.4414,
0.0000

■ 0.0000, 0.2470,
0.0000

■ 57.3161, 81.2229,
12.6567

■ 57.3161, 81.2229,
12.6567

■ 57.3155, 81.2253,
12.6572

■ 58.9973, 82.0718,
13.6652

■ 60.9629, 83.0380,
15.8824

■ 63.2856, 84.1537,
19.6799

■ 66.0087, 85.4363,
25.2829

69.1686, 86.9005,
32.8805

72.7975, 88.5590,
42.6380

76.9238, 90.4234,
54.7034

81.5738, 92.5043,
69.2115

86.7717, 94.8113,
86.2870

Harmonies

Analogous

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



80.3792, 81.2229, 9.1139



57.3161, 81.2229, 12.6567



42.9986, 81.2229, 31.0017

Triad

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



57.3161, 81.2229, 12.6567



52.9761, 81.2229, 265.7676



137.6019, 81.2229, 97.7284

Complementary

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



57.3161, 81.2229, 12.6567



19.2619, 7.9007, 92.6100

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.



125.9503, 81.2229, 192.0216



57.3161, 81.2229, 12.6567



74.1057, 81.2229, 317.4698

Square

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



57.3161, 81.2229, 12.6567



40.9101, 81.2229, 167.0967



101.2206, 81.2229, 284.9164



130.3474, 81.2229, 39.3981

Rectangle

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



57.3161, 81.2229, 12.6567



38.5145, 81.2229, 59.1291



101.2206, 81.2229, 284.9164



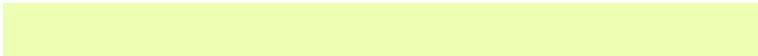
135.7110, 81.2229, 126.1148

Sweetspot

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



57.3180, 81.2265, 12.6584



79.0028, 92.8784, 56.1466



41.4959, 23.3941, 2.3295



16.5135, 19.7012, 10.8354



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.



57.3180, 81.2265, 12.6584



58.8666, 83.4319, 13.0014



37.4426, 70.9804, 11.7283



18.3208, 19.9812, 18.3535



29.9885, 42.3779, 6.5992



2.8681, 3.9717, 0.6154

Inverse Universe

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



19.2619, 7.9007, 92.6100



19.7771, 8.1104, 95.1308



36.5379, 16.8068, 93.4185



16.6503, 16.8324, 21.7567



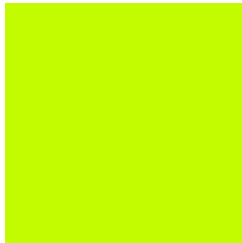
10.1362, 4.1681, 48.2438



1.0264, 0.4312, 4.4723

Previews

White Background



This preview shows how the XYZ color 57.3161, 81.2229, 12.6567 looks on a white background.

Color Contrast Check

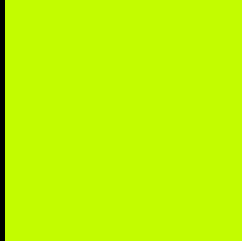
Large Text (above 18pt) WCAG AA × Fail

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 57.3161, 81.2229, 12.6567 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 57.3161, 81.2229, 12.6567

Background



This preview shows how black text looks on a background with the XYZ color 57.3161, 81.2229, 12.6567.

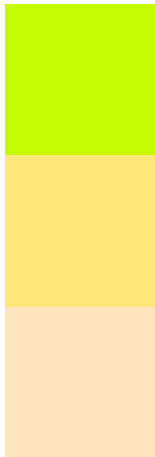


This preview shows how white text looks on a background with the XYZ color 57.3161, 81.2229,

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

57.3161, 81.2229, 12.6567

Protanopia

73.4868, 80.3293, 29.4012

Deuteranopia

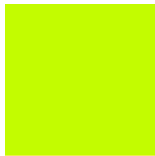
78.4978, 80.5526, 61.2801



Tritanopia

75.7677, 80.6892, 104.5097

Trichromacy



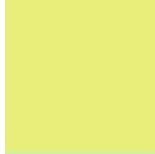
Original Color

57.3161, 81.2229, 12.6567



Protanomaly

65.7753, 79.5784, 18.7309



Deuteranomaly

67.4013, 79.2972, 30.1658



Tritanomaly

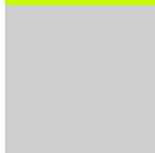
64.1828, 79.0391, 45.5915

Monochromacy



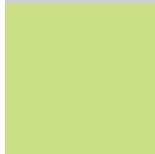
Original Color

57.3161, 81.2229, 12.6567



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

54.8415, 66.9706, 31.5089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.3161, 81.2229, 12.6567 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(195, 252, 0)` looks like.

```
.text, #text, p{  
    color:rgb(195, 252, 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(195, 252, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 252, 0) }
```

Border

The CSS property to change the border of an element to XYZ 57.3161, 81.2229, 12.6567 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(195, 252, 0) }
```


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

```
.border{ border-color:rgb(195, 252, 0) }
```

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

Here you see how a box with a 4 pixel rgb(195, 252, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 252, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 252, 0);  
box-shadow:4px 4px 4px 4px rgb(195, 252,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 57.3161, 81.2229, 12.6567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 252, 0) }
```

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

```
.background{ background-color: rgb(195,  
252, 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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