

Converting Colors

XYZ(57.9461, 81.5479, 12.6884)

Have a look what the booklet for
XYZ(57.9461, 81.5479, 12.6884)
contains.

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Color

**XYZ(57.8364, 81.4911,
12.6811)**

Conversions

Conversions Part 1

Format	Color
Hex	C5FC00
RGB	197, 252, 0
RGB Percent	77%, 99%, 0%
CMY	0.2275, 0.0117, 0.9998
CMYK	0.22, 0.00, 1.00, 0.01
HSL	73°, 100%, 49%
HSV	73°, 100%, 99%
XYZ	57.8364, 81.4911, 12.6811
YIQ	206.8270, 48.1120, -90.0320

Conversions

Conversions Part 2

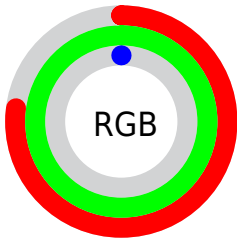
Format	Color
RYB	0, 252, 55
Decimal	12975104
CIELab	92.35, -43.33, 89.14
CIELCh	92, 99.111, 115.922
Yxy	81.4911, 0.3805, 0.5361
Android (android.graphics.Color)	4291165184 (0xFFC5FC00)
YUV	206.8270, -101.9657, -8.6183
Hunter-Lab	90.2724, -43.6140, 54.8619

Details

The XYZ color **57.8364, 81.4911, 12.6811** 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 **19.1501, 7.8431, 92.6048**, and the grayscale version is **59.8160, 62.9311, 68.5319**.

A 20% lighter version of the original color is **79.0204, 93.5882, 24.4892**, and **29.8316, 44.3486, 6.9878** is the 20% darker color. If you saturate the color by 10%, you get **57.8357, 81.4935, 12.6816**, and if you desaturate by 10%, it is **59.4832, 82.3222, 13.6881**.

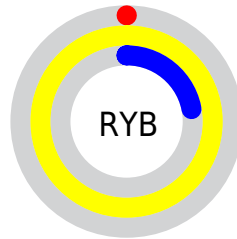
Distribution



Red (77%)

Green (99%)

Blue (0%)



Red (0%)

Yellow (99%)

Blue (22%)

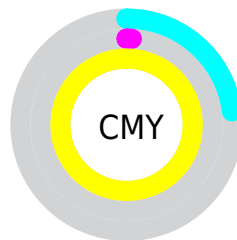


Cyan (22%)

Magenta (0%)

Yellow (100%)

Black (1%)



Cyan (23%)


Magenta (1%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.8364, 81.4911, 12.6811 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 57.8364, 81.4911, 12.6811 by changing the saturation by 10% instead.


 57.8364, 81.4911,
12.6811


 57.8364, 81.4911,
12.6811


406.5397,
499.9438, 219.9992


 41.9199, 60.9461,
7.0812


 100.8089,
135.4601, 31.4124

 29.2294, 44.1817,
3.4337


 128.5956,
169.6530, 45.3809


 19.3996, 30.8134,
1.3201


 161.0698,
209.1639, 62.9760

 12.0651, 20.4568,
0.0782

 198.5968,
254.3774, 84.6162

 6.8605, 12.7275,
0.0000

 241.5419,
305.6777, 110.7201

 3.4206, 7.2412,
0.0000

 290.2705,

 1.3799, 3.6134,

363.4493, 141.7062

0.0000

345.1480,
428.0765, 177.9930

■ 0.2418, 1.4597,
0.0000

■ 0.0000, 0.2601,
0.0000

■ 57.8364, 81.4911,
12.6811

■ 57.8364, 81.4911,
12.6811

■ 57.8357, 81.4935,
12.6816

■ 59.4832, 82.3222,
13.6881

■ 61.4106, 83.2688,
15.9036

■ 63.6913, 84.3629,
19.6992

■ 66.3686, 85.6219,
25.3002

■ 69.4788, 87.0603,
32.8957

■ 73.0538, 88.6911,
42.6508

■ 77.1223, 90.5257,
54.7137

■ 81.7105, 92.5747,
69.2191

■ 86.8423, 94.8477,
86.2917

Harmonies

Analogous

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



81.0150, 81.4911, 9.2592



57.8364, 81.4911, 12.6811



43.3697, 81.4911, 30.7909

Triad

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



57.8364, 81.4911, 12.6811



52.9795, 81.4911, 264.6352



137.7885, 81.4911, 99.1575

Complementary

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



57.8364, 81.4911, 12.6811



19.1501, 7.8431, 92.6048

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.



125.8985, 81.4911, 193.7175



57.8364, 81.4911, 12.6811



74.0005, 81.4911, 317.2960

Square

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



57.8364, 81.4911, 12.6811



41.0306, 81.4911, 165.8908



101.0728, 81.4911, 285.9959



130.8093, 81.4911, 40.2052

Rectangle

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



57.8364, 81.4911, 12.6811



38.7941, 81.4911, 58.6199



101.0728, 81.4911, 285.9959



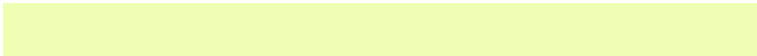
135.8069, 81.4911, 127.7067

Sweetspot

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



57.8383, 81.4948, 12.6828



79.2067, 92.9835, 56.1561



41.4960, 23.3942, 2.3296



16.5627, 19.7266, 10.8377



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.



57.8383, 81.4948, 12.6828



59.4012, 83.7075, 13.0264



37.4427, 70.9804, 11.7283



18.3349, 19.9884, 18.3542



30.2565, 42.5161, 6.6117



2.8908, 3.9834, 0.6165

Inverse Universe

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



19.1501, 7.8431, 92.6048



19.6624, 8.0512, 95.1255



36.5381, 16.8069, 93.4185



16.6373, 16.8256, 21.7561



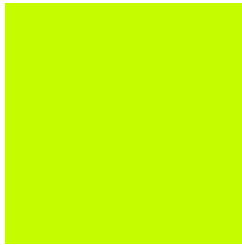
10.0750, 4.1365, 48.2410



1.0190, 0.4274, 4.4720

Previews

White Background



This preview shows how the XYZ color 57.8364, 81.4911, 12.6811 looks on a white background.

Color Contrast Check

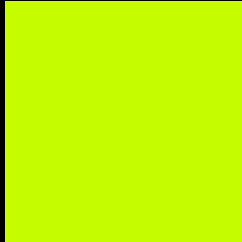
Large Text (above 18pt) WCAG AA × Fail

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 57.8364, 81.4911, 12.6811 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 57.8364, 81.4911, 12.6811

Background



This preview shows how black text looks on a background with the XYZ color 57.8364, 81.4911, 12.6811.

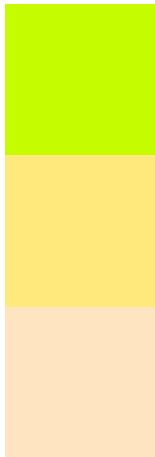


This preview shows how white text looks on a background with the XYZ color 57.8364, 81.4911,

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

57.8364, 81.4911, 12.6811

Protanopia

74.0170, 80.9931, 30.8009

Deuteranopia

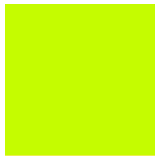
78.6090, 80.5971, 61.8657



Tritanopia

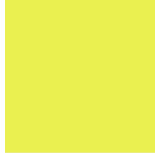
76.3659, 80.9976, 104.5377

Trichromacy



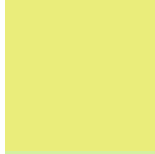
Original Color

57.8364, 81.4911, 12.6811



Protanomaly

66.5031, 80.3771, 19.4064



Deuteranomaly

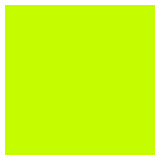
67.7910, 79.4909, 30.5092



Tritanomaly

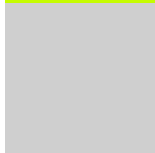
64.7523, 79.3327, 45.6181

Monochromacy



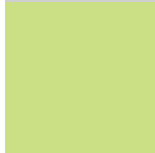
Original Color

57.8364, 81.4911, 12.6811



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

55.1811, 67.1378, 31.8803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.8364, 81.4911, 12.6811 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(197, 252, 0)` looks like.

```
.text, #text, p{  
    color:rgb(197, 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(197, 252, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 252, 0) }
```

Border

The CSS property to change the border of an element to XYZ 57.8364, 81.4911, 12.6811 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(197, 252, 0) }
```


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

```
.border{ border-color:rgb(197, 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(197, 252, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 252, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 252, 0);  
box-shadow:4px 4px 4px 4px rgb(197, 252,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 57.8364, 81.4911, 12.6811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 252, 0) }
```

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

```
.background{ background-color: rgb(197,  
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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