

Converting Colors

XYZ(56.8140, 78.6636, 12.1892)

Have a look what the booklet for
XYZ(56.8140, 78.6636, 12.1892)
contains.

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Color

**XYZ(56.8140, 78.6636,
12.1892)**

Conversions

Conversions Part 1

Format	Color
Hex	C7F700
RGB	199, 247, 0
RGB Percent	78%, 97%, 0%
CMY	0.2196, 0.0314, 0.9999
CMYK	0.19, 0.00, 1.00, 0.03
HSL	72°, 100%, 48%
HSV	72°, 100%, 97%
XYZ	56.8140, 78.6636, 12.1892
YIQ	204.4900, 50.6790, -86.9930

Conversions

Conversions Part 2

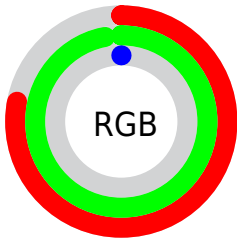
Format	Color
RYB	0, 247, 48
Decimal	13104896
CIELab	91.08, -40.37, 88.23
CIELCh	91, 97.031, 114.587
Yxy	78.6636, 0.3847, 0.5327
Android (android.graphics.Color)	4291294976 (0xFFC7F700)
YUV	204.4900, -100.8136, -4.8147
Hunter-Lab	88.6925, -40.8696, 53.9364

Details

The XYZ color **56.8140, 78.6636, 12.1892** 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 **18.0108, 7.3460, 88.4689**, and the grayscale version is **58.3061, 61.3426, 66.8021**.

A 20% lighter version of the original color is **78.9758, 93.5703, 24.2543**, and **29.2783, 42.7506, 6.7086** is the 20% darker color. If you saturate the color by 10%, you get **56.8136, 78.6661, 12.1897**, and if you desaturate by 10%, it is **58.2825, 79.4033, 13.1595**.

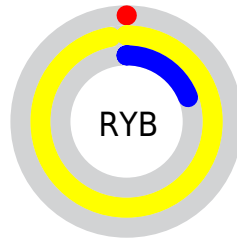
Distribution



Red (78%)

Green (97%)

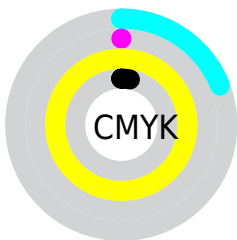
Blue (0%)



Red (0%)

Yellow (97%)

Blue (19%)

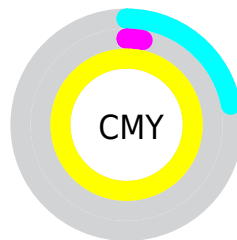


Cyan (19%)

Magenta (0%)

Yellow (100%)

Black (3%)



Cyan (22%)


Magenta (3%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.8140, 78.6636, 12.1892 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 56.8140, 78.6636, 12.1892 by changing the saturation by 10% instead.


 56.8140, 78.6636,
12.1892


 56.8140, 78.6636,
12.1892


402.7774,
490.4176, 216.6760

 41.0955, 58.6193,
6.7486


 99.3267, 131.4852,
30.5088


 28.5817, 42.3067,
3.2293


 126.8515,
165.0312, 44.2248

 18.9073, 29.3415,
1.2129


 159.0425,
203.8466, 61.5363

 11.7069, 19.3393,
0.0000

 196.2651,
248.3157, 82.8619

 6.6152, 11.9157,
0.0000

 238.8845,
298.8230, 108.6202

 3.2668, 6.6863,
0.0000

 287.2661,

 1.2964, 3.2667,

355.7528, 139.2296

0.0000

341.7753,
419.4895, 175.1087

■ 0.1805, 1.2725,
0.0000

■ 0.0000, 0.1198,
0.0000

■ 56.8140, 78.6636,
12.1892

■ 56.8140, 78.6636,
12.1892

■ 56.8136, 78.6661,
12.1897

■ 58.2825, 79.4033,
13.1595

■ 60.0083, 80.2479,
15.2812

■ 62.0611, 81.2279,
18.9108

■ 64.4818, 82.3599,
24.2628

67.3050, 83.6576,
31.5170

70.5608, 85.1333,
40.8306

74.2765, 86.7978,
52.3445

78.4766, 88.6610,
66.1872

83.1840, 90.7321,
82.4773

Harmonies

Analogous

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



79.3044, 78.6636, 9.2832



56.8140, 78.6636, 12.1892



42.5456, 78.6636, 28.8099

Triad

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



56.8140, 78.6636, 12.1892



50.6368, 78.6636, 249.5854



132.2208, 78.6636, 99.0327

Complementary

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



56.8140, 78.6636, 12.1892



18.0108, 7.3460, 88.4689

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.



120.1578, 78.6636, 190.1562



56.8140, 78.6636, 12.1892



70.4068, 78.6636, 302.7044

Square

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



56.8140, 78.6636, 12.1892



39.5635, 78.6636, 155.0224



96.1530, 78.6636, 276.4878



126.3648, 78.6636, 40.8539

Rectangle

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



56.8140, 78.6636, 12.1892



37.8998, 78.6636, 54.5397



96.1530, 78.6636, 276.4878



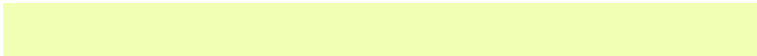
130.0602, 78.6636, 126.7896

Sweetspot

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



56.8158, 78.6671, 12.1909



79.8254, 93.3025, 56.1851



39.3104, 21.6762, 2.1131



16.7119, 19.8035, 10.8447



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.



56.8158, 78.6671, 12.1909



61.0563, 84.5607, 13.1038



36.4247, 68.1551, 11.2366



17.5806, 19.1413, 17.5656



30.1619, 41.6618, 6.4518



2.7299, 3.7024, 0.5707

Inverse Universe

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



18.0108, 7.3460, 88.4689



19.3442, 7.8872, 95.1106



33.1089, 15.1294, 89.1755



15.8818, 16.0817, 20.8096



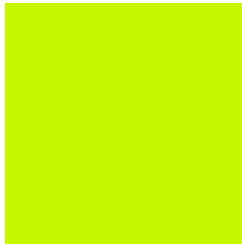
9.6129, 3.9299, 46.7899



0.9237, 0.3861, 4.1161

Previews

White Background



This preview shows how the XYZ color 56.8140, 78.6636, 12.1892 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 56.8140, 78.6636, 12.1892 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 56.8140, 78.6636, 12.1892

Background



This preview shows how black text looks on a background with the XYZ color 56.8140, 78.6636, 12.1892.



This preview shows how white text looks on a background with the XYZ color 56.8140, 78.6636,

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

56.8140, 78.6636, 12.1892

Protanopia

70.8990, 77.9545, 19.9043

Deuteranopia

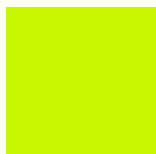
76.3392, 77.9487, 55.2781



Tritanopia

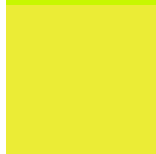
74.7553, 78.5866, 100.0356

Trichromacy



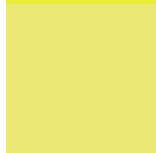
Original Color

56.8140, 78.6636, 12.1892



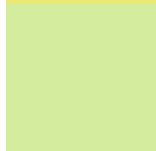
Protanomaly

64.9223, 77.9194, 15.1082



Deuteranomaly

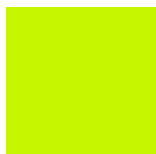
66.2699, 76.6363, 27.8225



Tritanomaly

63.3184, 76.4566, 43.7681

Monochromacy



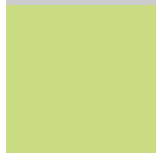
Original Color

56.8140, 78.6636, 12.1892



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

53.9796, 65.3547, 30.8888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8140, 78.6636, 12.1892 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(199, 247, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 247, 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(199, 247, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 247, 0) }
```

Border

The CSS property to change the border of an element to XYZ 56.8140, 78.6636, 12.1892 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(199, 247, 0) }
```


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

```
.border{ border-color:rgb(199, 247, 0) }
```

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

Here you see how a box with a 4 pixel rgb(199, 247, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 247, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 247, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 247,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8140, 78.6636, 12.1892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 247, 0) }
```

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

```
.background{ background-color: rgb(199,  
247, 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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