

Converting Colors

XYZ(56.3921, 77.4554, 11.9797)

Have a look what the booklet for
XYZ(56.3921, 77.4554, 11.9797)
contains.

XYZ(56.4718, 77.5842, 11.9989)	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(56.4718, 77.5842,
11.9989)**

Conversions

Conversions Part 1

Format	Color
Hex	C8F500
RGB	200, 245, 0
RGB Percent	78%, 96%, 0%
CMY	0.2157, 0.0392, 0.9999
CMYK	0.18, 0.00, 1.00, 0.04
HSL	71°, 100%, 48%
HSV	71°, 100%, 96%
XYZ	56.4718, 77.5842, 11.9989
YIQ	203.6150, 51.8250, -85.7350

Conversions

Conversions Part 2

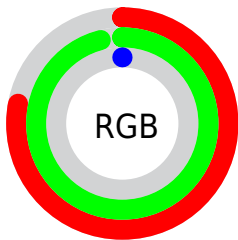
Format	Color
RYB	0, 245, 45
Decimal	13169920
CIELab	90.59, -39.10, 87.89
CIElCh	91, 96.194, 113.982
Yxy	77.5842, 0.3866, 0.5312
Android (android.graphics.Color)	4291360000 (0xFFC8F500)
YUV	203.6150, -100.3822, -3.1704
Hunter-Lab	88.0819, -39.7019, 53.5806

Details

The XYZ color **56.4718, 77.5842, 11.9989** 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 **17.5669, 7.1526, 86.8457**, and the grayscale version is **57.7465, 60.7539, 66.1609**.

A 20% lighter version of the original color is **78.9758, 93.5703, 24.2543**, and **29.0128, 41.9706, 6.5720** is the 20% darker color. If you saturate the color by 10%, you get **56.4715, 77.5867, 11.9994**, and if you desaturate by 10%, it is **57.8640, 78.2848, 12.9545**.

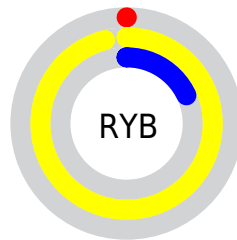
Distribution



Red (78%)

Green (96%)

Blue (0%)



Red (0%)

Yellow (96%)

Blue (18%)

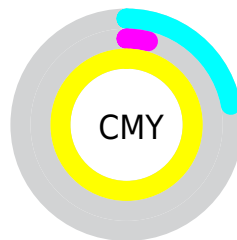


Cyan (18%)

Magenta (0%)

Yellow (100%)

Black (4%)



Cyan (22%)


Magenta (4%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.4718, 77.5842, 11.9989 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 56.4718, 77.5842, 11.9989 by changing the saturation by 10% instead.


 56.4718, 77.5842,
11.9989


 56.4718, 77.5842,
11.9989


401.5134,
486.7536, 215.3757

 40.8198, 57.7325,
6.6204


 98.8299, 129.9638,
30.1575

 28.3654, 41.5936,
3.1510


 126.2667,
163.2605, 43.7746


 18.7431, 28.7832,
1.1723


 158.3624,
201.8076, 60.9751

 11.5877, 18.9169,
0.0000

 195.4825,
245.9895, 82.1773

 6.5338, 11.6102,
0.0000

 237.9923,
296.1907, 107.8000

 3.2160, 6.4789,
0.0000

 286.2572,

 1.2690, 3.1384,

352.7955, 138.2616

0.0000

340.6424,
416.1883, 173.9806

■ 0.1598, 1.2044,
0.0000

■ 0.0000, 0.0653,
0.0000

■ 56.4718, 77.5842,
11.9989

■ 56.4718, 77.5842,
11.9989

■ 56.4715, 77.5867,
11.9994

■ 57.8640, 78.2848,
12.9545

■ 59.5044, 79.0860,
15.0389

■ 61.4615, 80.0181,
18.6032

■ 63.7755, 81.0971,
23.8571

66.4801, 82.3366,
30.9771

69.6047, 83.7484,
40.1172

73.1761, 85.3431,
51.4154

77.2182, 87.1304,
64.9978

81.7536, 89.1194,
80.9806

Harmonies

Analogous

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



78.7045, 77.5842, 9.3106



56.4718, 77.5842, 11.9989



42.2639, 77.5842, 28.0182

Triad

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



56.4718, 77.5842, 11.9989



49.7206, 77.5842, 243.6049



130.0612, 77.5842, 99.1593

Complementary

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



56.4718, 77.5842, 11.9989



17.5669, 7.1526, 86.8457

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.



117.9078, 77.5842, 188.9518



56.4718, 77.5842, 11.9989



68.9916, 77.5842, 296.9829

Square

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



56.4718, 77.5842, 11.9989



39.0013, 77.5842, 150.6777



94.2154, 77.5842, 272.8788



124.6727, 77.5842, 41.2163

Rectangle

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



56.4718, 77.5842, 11.9989



37.5799, 77.5842, 52.9053



94.2154, 77.5842, 272.8788



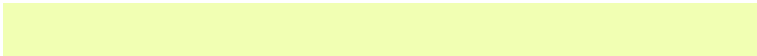
127.8218, 77.5842, 126.6198

Sweetspot

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



56.4736, 77.5877, 12.0005



80.1031, 93.4456, 56.1981



38.5949, 21.2865, 2.0756



16.7789, 19.8380, 10.8479



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.



56.4736, 77.5877, 12.0005



61.8146, 84.9517, 13.1393



35.7645, 66.9118, 11.0314



17.5987, 19.1507, 17.5665



30.5300, 41.8516, 6.4691



2.7590, 3.7174, 0.5721

Inverse Universe

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



17.5669, 7.1526, 86.8457



19.2154, 7.8208, 95.1045



32.5106, 14.8564, 87.5450



15.8651, 16.0731, 20.8088



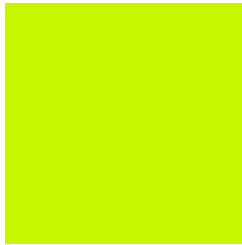
9.5452, 3.8951, 46.7868



0.9154, 0.3818, 4.1157

Previews

White Background



This preview shows how the XYZ color 56.4718, 77.5842, 11.9989 looks on a white background.

Color Contrast Check

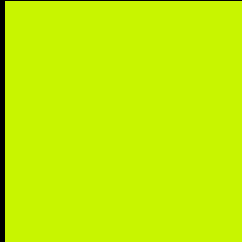
Large Text (above 18pt) WCAG AA × Fail

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 56.4718, 77.5842, 11.9989 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 56.4718, 77.5842, 11.9989

Background



This preview shows how black text looks on a background with the XYZ color 56.4718, 77.5842, 11.9989.



This preview shows how white text looks on a background with the XYZ color 56.4718, 77.5842,

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

56.4718, 77.5842, 11.9989

Protanopia

69.8529, 77.0946, 15.7565

Deuteranopia

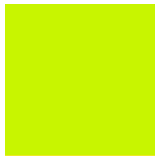
75.2971, 76.6769, 52.4265



Tritanopia

73.8932, 77.3563, 98.2254

Trichromacy



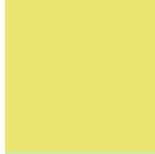
Original Color

56.4718, 77.5842, 11.9989



Protanomaly

64.0500, 76.6543, 13.3394



Deuteranomaly

65.5384, 75.4481, 26.7315



Tritanomaly

62.9492, 75.4261, 43.1392

Monochromacy



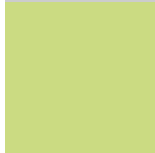
Original Color

56.4718, 77.5842, 11.9989



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

53.9894, 64.9713, 30.8143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.4718, 77.5842, 11.9989 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(200, 245, 0)` looks like.

```
.text, #text, p{  
    color:rgb(200, 245, 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(200, 245, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 245, 0) }
```

Border

The CSS property to change the border of an element to XYZ 56.4718, 77.5842, 11.9989 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(200, 245, 0) }
```


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

```
.border{ border-color:rgb(200, 245, 0) }
```

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

Here you see how a box with a 4 pixel rgb(200, 245, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 245, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 245, 0);  
box-shadow:4px 4px 4px 4px rgb(200, 245,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4718, 77.5842, 11.9989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 245, 0) }
```

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

```
.background{ background-color: rgb(200,  
245, 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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