

Converting Colors

XYZ(56.6795, 79.9177, 12.4283)

Have a look what the booklet for
XYZ(56.6795, 79.9177, 12.4283)
contains.

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Color

**XYZ(56.6913, 79.9733,
12.4485)**

Conversions

Conversions Part 1

Format	Color
Hex	C3FA00
RGB	195, 250, 0
RGB Percent	76%, 98%, 0%
CMY	0.2353, 0.0196, 0.9998
CMYK	0.22, 0.00, 1.00, 0.02
HSL	73°, 100%, 49%
HSV	73°, 100%, 98%
XYZ	56.6913, 79.9733, 12.4485
YIQ	205.0550, 47.4700, -89.4100

Conversions

Conversions Part 2

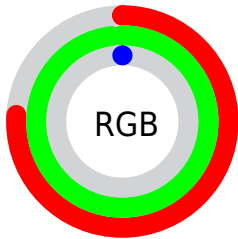
Format	Color
RYB	0, 250, 55
Decimal	12843520
CIELab	91.67, -43.22, 88.57
CIELCh	92, 98.557, 116.012
Yxy	79.9733, 0.3802, 0.5363
Android (android.graphics.Color)	4291033600 (0xFFC3FA00)
YUV	205.0550, -101.0921, -8.8182
Hunter-Lab	89.4278, -43.3415, 54.3462

Details

The XYZ color **56.6913, 79.9733, 12.4485** 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 **18.8348, 7.7169, 90.9440**, and the grayscale version is **58.6704, 61.7258, 67.2194**.

A 20% lighter version of the original color is **79.0204, 93.5882, 24.4892**, and **29.0616, 43.2908, 6.8243** is the 20% darker color. If you saturate the color by 10%, you get **56.6906, 79.9756, 12.4489**, and if you desaturate by 10%, it is **58.3167, 80.7936, 13.4431**.

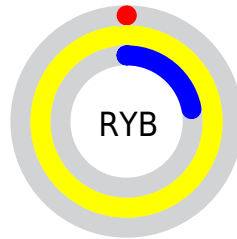
Distribution



Red (76%)

Green (98%)

Blue (0%)



Red (0%)

Yellow (98%)

Blue (22%)

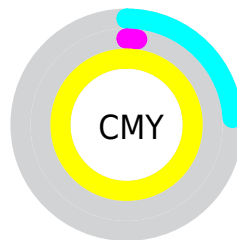


Cyan (22%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (24%)


Magenta (2%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.6913, 79.9733, 12.4485 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 56.6913, 79.9733, 12.4485 by changing the saturation by 10% instead.


 56.6913, 79.9733,
12.4485

 56.6913, 79.9733,
12.4485


402.3245,
494.8428, 218.4345

 40.9966, 59.6964,
6.9237


 99.1486, 133.3282,
30.9859

 28.5041, 43.1740,
3.3367


 126.6419,
167.1750, 44.8355


 18.8484, 30.0216,
1.2690

 158.7988,
206.3138, 62.2972

 11.6641, 19.8550,
0.0362

 195.9846,
251.1291, 83.7894

 6.5860, 12.2897,
0.0000

 238.5647,
302.0053, 109.7307

 3.2486, 6.9413,
0.0000

 286.9045,

 1.2865, 3.4254,

359.3267, 140.5396

0.0000

341.3693,
423.4777, 176.6347

■ 0.1731, 1.3577,
0.0000

■ 0.0000, 0.1852,
0.0000

■ 56.6913, 79.9733,
12.4485

■ 56.6913, 79.9733,
12.4485

■ 56.6906, 79.9756,
12.4489

■ 58.3167, 80.7936,
13.4431

■ 60.2183, 81.7276,
15.6234

■ 62.4674, 82.8068,
19.3550

■ 65.1066, 84.0483,
24.8588

■ 68.1715, 85.4663,
32.3201

■ 71.6935, 87.0736,
41.9008

■ 75.7006, 88.8813,
53.7461

■ 80.2184, 90.8997,
67.9884

■ 85.2707, 93.1385,
84.7498

Harmonies

Analogous

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



79.4302, 79.9733, 9.0631



56.6913, 79.9733, 12.4485



42.5150, 79.9733, 30.2814

Triad

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



56.6913, 79.9733, 12.4485



52.0279, 79.9733, 260.1168



135.2769, 79.9733, 97.0834

Complementary

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



56.6913, 79.9733, 12.4485



18.8348, 7.7169, 90.9440

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.



123.6493, 79.9733, 189.8916



56.6913, 79.9733, 12.4485



72.6938, 79.9733, 311.6359

Square

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



56.6913, 79.9733, 12.4485



40.2694, 79.9733, 163.1598



99.2889, 79.9733, 280.6405



128.3664, 79.9733, 39.3172

Rectangle

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



56.6913, 79.9733, 12.4485



38.0404, 79.9733, 57.6719



99.2889, 79.9733, 280.6405



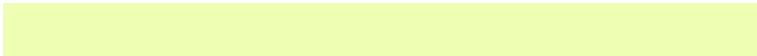
133.3495, 79.9733, 125.0868

Sweetspot

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



56.6931, 79.9769, 12.4502



79.1618, 92.9603, 56.1540



40.7551, 22.9821, 2.2891



16.5518, 19.7210, 10.8372



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.



56.6931, 79.9769, 12.4502



59.2829, 83.6465, 13.0209



36.7762, 69.7093, 11.5181



18.3318, 19.9868, 18.3540



30.1972, 42.4855, 6.6090



2.8858, 3.9808, 0.6163

Inverse Universe

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



18.8348, 7.7169, 90.9440



19.6873, 8.0640, 95.1266



35.8892, 16.5088, 91.7421



16.6401, 16.8271, 21.7562



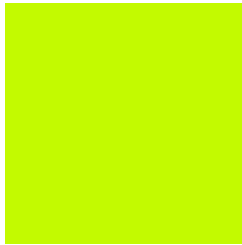
10.0883, 4.1434, 48.2416



1.0207, 0.4282, 4.4720

Previews

White Background



This preview shows how the XYZ color 56.6913, 79.9733, 12.4485 looks on a white background.

Color Contrast Check

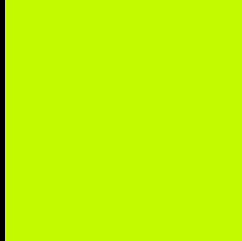
Large Text (above 18pt) WCAG AA × Fail

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 56.6913, 79.9733, 12.4485 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 56.6913, 79.9733, 12.4485

Background



This preview shows how black text looks on a background with the XYZ color 56.6913, 79.9733, 12.4485.

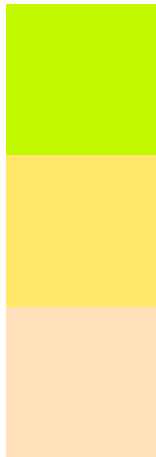


This preview shows how white text looks on a background with the XYZ color 56.6913, 79.9733,

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

56.6913, 79.9733, 12.4485

Protanopia

72.3146, 79.4113, 24.6132

Deuteranopia

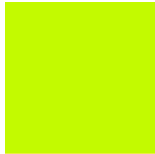
77.4060, 79.2406, 58.2289



Tritanopia

74.8845, 79.4300, 102.6515

Trichromacy



Original Color

56.6913, 79.9733, 12.4485



Protanomaly

65.1622, 78.8661, 16.9425



Deuteranomaly

66.6424, 78.0722, 29.0098



Tritanomaly

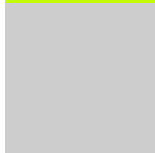
63.5062, 77.8264, 44.9326

Monochromacy



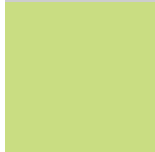
Original Color

56.6913, 79.9733, 12.4485



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

53.9731, 65.7421, 30.9639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.6913, 79.9733, 12.4485 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, 250, 0)` looks like.

```
.text, #text, p{  
    color:rgb(195, 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(195, 250, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 250, 0) }
```

Border

The CSS property to change the border of an element to XYZ 56.6913, 79.9733, 12.4485 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, 250, 0) }
```


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

```
.border{ border-color:rgb(195, 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(195, 250, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 250, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 250, 0);  
box-shadow:4px 4px 4px 4px rgb(195, 250,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 56.6913, 79.9733, 12.4485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 250, 0) }
```

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

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