

Converting Colors

XYZ(58.3457, 83.0943, 16.0956)

Have a look what the booklet for
XYZ(58.3457, 83.0943, 16.0956)
contains.

XYZ(58.3499, 83.0965, 16.0958)	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(58.3499, 83.0965,
16.0958)**

Conversions

Conversions Part 1

Format	Color
Hex	C1FF33
RGB	193, 255, 51
RGB Percent	76%, 100%, 20%
CMY	0.2431, 0.0000, 0.8000
CMYK	0.24, 0.00, 0.80, 0.00
HSL	78°, 100%, 60%
HSV	78°, 80%, 100%
XYZ	58.3499, 83.0965, 16.0958
YIQ	213.2060, 28.5320, -76.5880

Conversions

Conversions Part 2

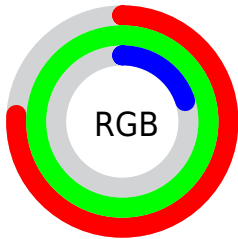
Format	Color
RYB	51, 255, 113
Decimal	12713779
CIELab	93.06, -45.12, 82.28
CIELCh	93, 93.839, 118.741
Yxy	83.0965, 0.3704, 0.5275
Android (android.graphics.Color)	4290903859 (0xFFC1FF33)
YUV	213.2060, -79.9676, -17.7207
Hunter-Lab	91.1573, -45.2672, 53.3412

Details

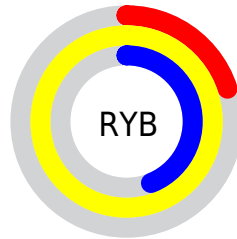
The XYZ color **58.3499, 83.0965, 16.0958** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **26.0456, 13.0999, 95.7635**, and the grayscale version is **63.8895, 67.2167, 73.1990**.

A 20% lighter version of the original color is **79.7276, 93.8286, 30.1283**, and **30.0256, 45.4565, 7.1915** is the 20% darker color. If you saturate the color by 10%, you get **56.0088, 81.9377, 13.8124**, and if you desaturate by 10%, it is **61.1025, 84.4318, 20.0073**.

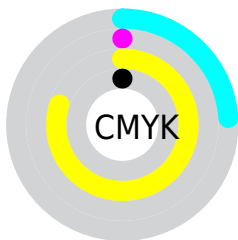
Distribution



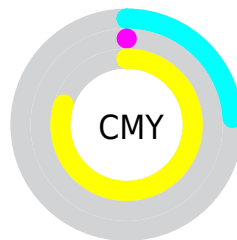
- Red (76%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (44%)



- Cyan (24%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.3499, 83.0965, 16.0958 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 58.3499, 83.0965, 16.0958 by changing the saturation by 10% instead.


 58.3499, 83.0965,
16.0958

 58.3499, 83.0965,
16.0958


408.4214,
505.3081, 241.7713

 42.3344, 62.2698,
9.4369


 101.5523,
137.7106, 37.5335

 29.5554, 45.2507,
4.9265


 129.4698,
172.2668, 53.1494


 19.6478, 31.6549,
2.1462


 162.0854,
212.1682, 72.5881

 12.2461, 21.0981,
0.6431

 199.7643,
257.7993, 96.2680

 6.9849, 13.1957,
0.0000

 242.8721,
309.5444, 124.6078

 3.4989, 7.5635,
0.0000

291.7739,

 1.4227, 3.8169,

367.7880, 158.0259

0.0000

346.8352,
432.9144, 196.9409

■ 0.2723, 1.5717,
0.0000

■ 0.0000, 0.3384,
0.0000

■ 58.3499, 83.0965,
16.0958

■ 58.3499, 83.0965,
16.0958

■ 56.0088, 81.9377,
13.8124

■ 61.1025, 84.4318,
20.0073

■ 54.0053, 80.9258,
12.7741

■ 64.3121, 85.9621,
25.7756

■ 54.0046, 80.9254,
12.7738

■ 68.0172, 87.7028,
33.5967

■ 72.2514, 89.6677,
43.6407

■ 77.0453, 91.8691,
56.0601

■ 82.4266, 94.3183,
70.9938

■ 88.4210, 97.0258,
88.5700

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



80.0247, 83.0965, 11.3813



58.3499, 83.0965, 16.0958



45.0546, 83.0965, 36.8169

Triad

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



58.3499, 83.0965, 16.0958



56.8909, 83.0965, 262.7037



136.3352, 83.0965, 93.4876

Complementary

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



58.3499, 83.0965, 16.0958



26.0456, 13.0999, 95.7635

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.



126.7066, 83.0965, 180.5473



58.3499, 83.0965, 16.0958



77.9459, 83.0965, 304.7212

Square

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



58.3499, 83.0965, 16.0958



44.3434, 83.0965, 172.4976



103.9780, 83.0965, 268.8090



128.1364, 83.0965, 39.7214

Rectangle

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



58.3499, 83.0965, 16.0958



41.0806, 83.0965, 66.5224



103.9780, 83.0965, 268.8090



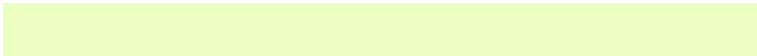
135.0458, 83.0965, 119.5880

Sweetspot

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



58.3500, 83.0965, 16.0970



80.1999, 93.3073, 64.7044



47.6548, 33.1331, 7.0167



16.7593, 19.7864, 12.7263



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.



58.3500, 83.0965, 16.0970



54.7773, 81.3173, 13.1017



40.7522, 74.0245, 15.2734



18.9923, 20.7975, 19.1576



28.3775, 42.3672, 6.6820



2.8742, 4.1824, 0.6558

Inverse Universe

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



26.0456, 13.0999, 95.7635



21.8712, 9.3542, 95.2606



47.0248, 23.9150, 96.7453



17.5221, 17.6454, 22.7323



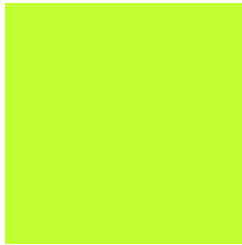
11.1839, 4.6760, 49.7477



1.1943, 0.5096, 4.8487

Previews

White Background



This preview shows how the XYZ color 58.3499, 83.0965, 16.0958 looks on a white background.

Color Contrast Check

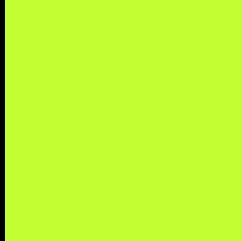
Large Text (above 18pt) WCAG AA × Fail

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 58.3499, 83.0965, 16.0958 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 58.3499, 83.0965, 16.0958

Background



This preview shows how black text looks on a background with the XYZ color 58.3499, 83.0965, 16.0958.

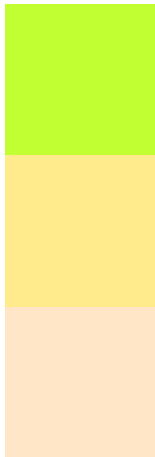


This preview shows how white text looks on a background with the XYZ color 58.3499, 83.0965,

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

58.3499, 83.0965, 16.0958

Protanopia

75.6820, 82.5701, 36.7597

Deuteranopia

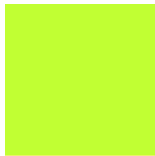
79.8456, 81.9771, 65.6477



Tritanopia

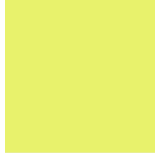
76.6531, 82.3873, 106.4700

Trichromacy



Original Color

58.3499, 83.0965, 16.0958



Protanomaly

67.7376, 81.7428, 26.3951



Deuteranomaly

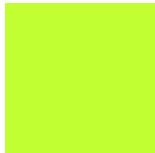
69.2560, 80.9331, 38.7595



Tritanomaly

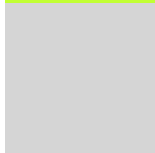
66.7036, 81.4475, 55.9213

Monochromacy



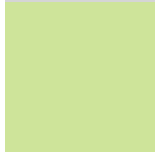
Original Color

58.3499, 83.0965, 16.0958



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

59.0297, 70.9417, 41.1538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.3499, 83.0965, 16.0958 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(193, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 51)  
}
```

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(193, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 58.3499, 83.0965, 16.0958 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(193, 255, 51) }
```


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

```
.border{ border-color:rgb(193, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(193, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 58.3499, 83.0965, 16.0958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 51) }
```

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

```
.background{ background-color: rgb(193,  
255, 51) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor