

Converting Colors

XYZ(59.1107, 83.4151, 19.4550)

Have a look what the booklet for
XYZ(59.1107, 83.4151, 19.4550)
contains.

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Color

**XYZ(58.9883, 83.3519,
19.4581)**

Conversions

Conversions Part 1

Format	Color
Hex	C1FF4A
RGB	193, 255, 74
RGB Percent	76%, 100%, 29%
CMY	0.2431, 0.0000, 0.7098
CMYK	0.24, 0.00, 0.71, 0.00
HSL	81°, 100%, 65%
HSV	81°, 71%, 100%
XYZ	58.9883, 83.3519, 19.4581
YIQ	215.8280, 21.1490, -69.4350

Conversions

Conversions Part 2

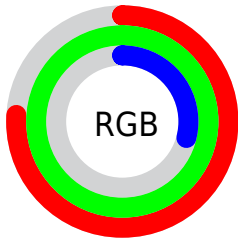
Format	Color
RYB	74, 255, 136
Decimal	12713802
CIELab	93.17, -44.06, 75.57
CIELCh	93, 87.474, 120.244
Yxy	83.3519, 0.3646, 0.5152
Android (android.graphics.Color)	4290903882 (0xFFC1FF4A)
YUV	215.8280, -69.9212, -20.0202
Hunter-Lab	91.2973, -44.4391, 51.2717

Details

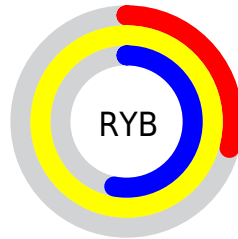
The XYZ color **58.9883, 83.3519, 19.4581** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **30.6538, 17.3533, 96.3416**, and the grayscale version is **65.6040, 69.0205, 75.1633**.

A 20% lighter version of the original color is **80.5017, 94.0961, 36.1098**, and **30.0256, 45.4565, 7.1915** is the 20% darker color. If you saturate the color by 10%, you get **56.1345, 81.9606, 15.7128**, and if you desaturate by 10%, it is **62.3218, 84.9501, 25.0441**.

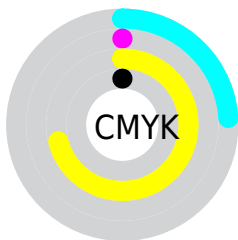
Distribution



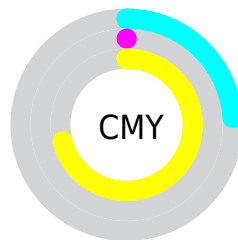
- Red (76%)
- Green (100%)
- Blue (29%)



- Red (29%)
- Yellow (100%)
- Blue (53%)



- Cyan (24%)
- Magenta (0%)
- Yellow (71%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.9883, 83.3519, 19.4581 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 58.9883, 83.3519, 19.4581 by changing the saturation by 10% instead.


 58.9883, 83.3519,
19.4581


 58.9883, 83.3519,
19.4581


410.7533,
506.1586, 261.4727


 42.8500, 62.4805,
11.8216


 102.4754,
138.0682, 43.3537


 29.9615, 45.4211,
6.5013


 130.5549,
172.6819, 60.4499


 19.9573, 31.7892,
3.0785


 163.3456,
212.6452, 81.5364

 12.4721, 21.2005,
1.1349

 201.2127,
258.3424, 107.0318

 7.1405, 13.2707,
0.0000

 244.5217,
310.1579, 137.3546

 3.5972, 7.6152,
0.0000

293.6379,

 1.4769, 3.8497,

368.4762, 172.9233

0.0000

348.9266,
433.6816, 214.1565

■ 0.3100, 1.5899,
0.0000

■ 0.0000, 0.3507,
0.0000

■ 58.9883, 83.3519,
19.4581

■ 58.9883, 83.3519,
19.4581

■ 56.1345, 81.9606,
15.7128

■ 62.3218, 84.9501,
25.0441

■ 53.7128, 80.7571,
13.5677

■ 66.1744, 86.7715,
32.6651

■ 51.8335, 79.8062,
12.6722

■ 70.5810, 88.8302,
42.4945

■ 75.5731, 91.1391,
54.6863

■ 81.1791, 93.7096,
69.3806

■ 87.4257, 96.5528,
86.7066

■ 94.3376, 99.6788,
106.7848

■ 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.



79.0355, 83.3519, 13.9179



58.9883, 83.3519, 19.4581



46.7241, 83.3519, 41.3275

Triad

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



58.9883, 83.3519, 19.4581



59.2564, 83.3519, 250.8879



132.1274, 83.3519, 90.2182

Complementary

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



58.9883, 83.3519, 19.4581



30.6538, 17.3533, 96.3416

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.



124.1033, 83.3519, 169.1548



58.9883, 83.3519, 19.4581



79.4118, 83.3519, 285.2038

Square

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



58.9883, 83.3519, 19.4581



46.8565, 83.3519, 170.5724



103.6261, 83.3519, 249.8280



123.8497, 83.3519, 40.7775

Rectangle

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



58.9883, 83.3519, 19.4581



43.1706, 83.3519, 70.9587



103.6261, 83.3519, 249.8280



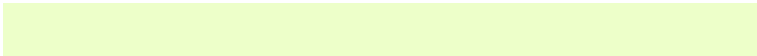
131.2314, 83.3519, 113.9305

Sweetspot

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



58.9884, 83.3519, 19.4593



81.1659, 93.7036, 69.3450



51.0481, 38.8982, 11.2973



17.0281, 19.8988, 13.9194



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.



58.9884, 83.3519, 19.4593



55.1115, 81.4552, 14.6727



42.7252, 74.9679, 18.6982



18.9216, 20.7610, 19.1543



27.2506, 41.7863, 6.6293



2.7706, 4.1290, 0.6510

Inverse Universe

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



30.6538, 17.3533, 96.3416



25.4970, 12.0999, 95.5994



51.4990, 28.0994, 97.3172



17.5896, 17.6802, 22.7355



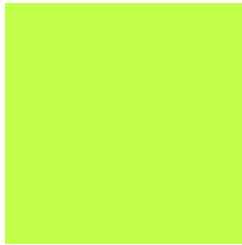
11.6457, 4.9141, 49.7693



1.2456, 0.5361, 4.8511

Previews

White Background



This preview shows how the XYZ color 58.9883, 83.3519, 19.4581 looks on a white background.

Color Contrast Check

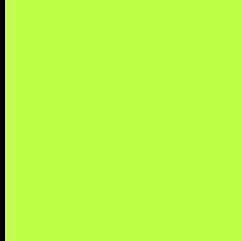
Large Text (above 18pt) WCAG AA × Fail

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 58.9883, 83.3519, 19.4581 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 58.9883, 83.3519, 19.4581

Background



This preview shows how black text looks on a background with the XYZ color 58.9883, 83.3519, 19.4581.

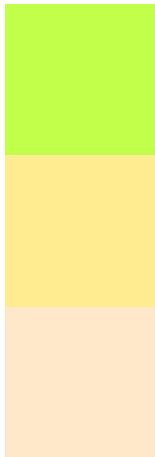


This preview shows how white text looks on a background with the XYZ color 58.9883, 83.3519,

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

58.9883, 83.3519, 19.4581

Protanopia

75.9824, 82.6903, 38.3417

Deuteranopia

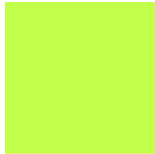
80.3585, 82.6289, 66.9720



Tritanopia

76.9434, 82.9680, 106.5668

Trichromacy



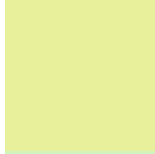
Original Color

58.9883, 83.3519, 19.4581



Protanomaly

68.3606, 81.9920, 29.6758



Deuteranomaly

70.3552, 81.8425, 43.0994



Tritanomaly

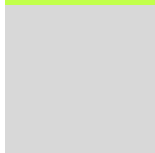
67.5484, 81.7854, 60.3701

Monochromacy



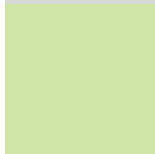
Original Color

58.9883, 83.3519, 19.4581



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

61.0101, 72.6839, 45.9358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.9883, 83.3519, 19.4581 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, 74)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 74)  
}
```

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, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 74) }
```

Border

The CSS property to change the border of an element to XYZ 58.9883, 83.3519, 19.4581 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, 74) }
```


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

```
.border{ border-color:rgb(193, 255, 74) }
```

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, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 255, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 255, 74);  
box-shadow:4px 4px 4px 4px rgb(193, 255,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 58.9883, 83.3519, 19.4581 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, 74) }
```

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

```
.background{ background-color: rgb(193,  
255, 74) }
```

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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