

Converting Colors

XYZ(59.5870, 83.6506, 19.9308)

Have a look what the booklet for
XYZ(59.5870, 83.6506, 19.9308)
contains.

XYZ(59.5702, 83.6439, 19.8427)	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(59.5702, 83.6439,
19.8427)**

Conversions

Conversions Part 1

Format	Color
Hex	C3FF4C
RGB	195, 255, 76
RGB Percent	76%, 100%, 30%
CMY	0.2353, 0.0000, 0.7019
CMYK	0.24, 0.00, 0.70, 0.00
HSL	80°, 100%, 65%
HSV	80°, 70%, 100%
XYZ	59.5702, 83.6439, 19.8427
YIQ	216.6540, 21.6990, -68.3890

Conversions

Conversions Part 2

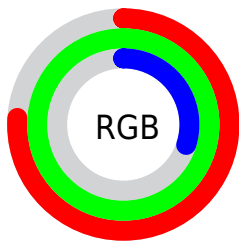
Format	Color
RYB	76, 255, 136
Decimal	12844876
CIELab	93.30, -43.21, 75.05
CIELCh	93, 86.601, 119.931
Yxy	83.6439, 0.3653, 0.5130
Android (android.graphics.Color)	4291034956 (0xFFC3FF4C)
YUV	216.6540, -69.3424, -18.9906
Hunter-Lab	91.4570, -43.7845, 51.1563

Details

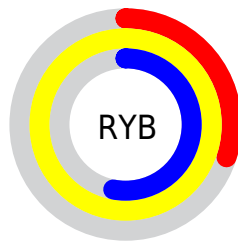
The XYZ color **59.5702, 83.6439, 19.8427** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **30.7893, 17.6246, 96.3869**, and the grayscale version is **66.1655, 69.6113, 75.8067**.

A 20% lighter version of the original color is **81.3031, 94.5012, 36.5097**, and **30.5106, 45.7065, 7.2142** is the 20% darker color. If you saturate the color by 10%, you get **56.7064, 82.2505, 15.9624**, and if you desaturate by 10%, it is **62.9118, 85.2431, 25.5802**.

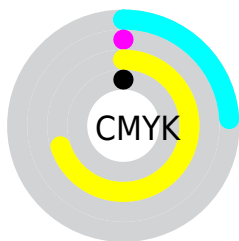
Distribution



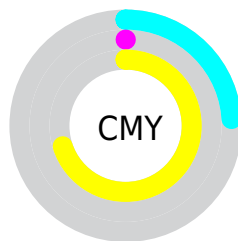
- Red (76%)
- Green (100%)
- Blue (30%)



- Red (30%)
- Yellow (100%)
- Blue (53%)



- Cyan (24%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.5702, 83.6439, 19.8427 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 59.5702, 83.6439, 19.8427 by changing the saturation by 10% instead.


 59.5702, 83.6439,
19.8427


 59.5702, 83.6439,
19.8427


412.8719,
507.1300, 263.6383

 43.3204, 62.7215,
12.0978


 103.3158,
138.4769, 44.0088


 30.3322, 45.6159,
6.6870


 131.5424,
173.1563, 61.2671

 20.2402, 31.9428,
3.1917


 164.4920,
213.1902, 82.5336

 12.6791, 21.3178,
1.1933

 202.5299,
258.9629, 108.2269

 7.2834, 13.3565,
0.0000

246.0214,
310.8588, 138.7654

 3.6879, 7.6745,
0.0000

295.3321,

 1.5271, 3.8874,

369.2624, 174.5678

0.0000

350.8271,
434.5580, 216.0526

■ 0.3442, 1.6108,
0.0000

■ 0.0000, 0.3648,
0.0000

■ 59.5702, 83.6439,
19.8427

■ 59.5702, 83.6439,
19.8427

■ 56.7064, 82.2505,
15.9624

■ 62.9118, 85.2431,
25.5802

■ 54.2736, 81.0438,
13.7026

■ 66.7701, 87.0637,
33.3667

■ 52.2343, 80.0128,
12.6910

■ 71.1793, 89.1198,
43.3740

■ 76.1706, 91.4241,
55.7549

■ 81.7723, 93.9880,
70.6485

■ 88.0105, 96.8222,
88.1834

94.9098, 99.9369,
108.4792

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.



79.5536, 83.6439, 14.3756



59.5702, 83.6439, 19.8427



47.2743, 83.6439, 41.5364

Triad

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



59.5702, 83.6439, 19.8427



59.4952, 83.6439, 248.6873



131.8973, 83.6439, 91.2245

Complementary

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



59.5702, 83.6439, 19.8427



30.7893, 17.6246, 96.3869

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.



123.8002, 83.6439, 169.5836



59.5702, 83.6439, 19.8427



79.4485, 83.6439, 283.1807

Square

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



59.5702, 83.6439, 19.8427



47.2372, 83.6439, 169.1895



103.4449, 83.6439, 248.9814



123.8708, 83.6439, 41.6910

Rectangle

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



59.5702, 83.6439, 19.8427



43.6750, 83.6439, 70.8385



103.4449, 83.6439, 248.9814



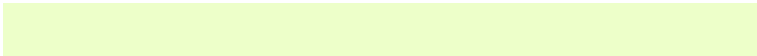
130.9533, 83.6439, 114.8369

Sweetspot

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



59.5703, 83.6439, 19.8439



81.2972, 93.7713, 69.3511



51.3026, 39.2977, 11.7199



17.0595, 19.9150, 13.9209



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.



59.5703, 83.6439, 19.8439



55.7323, 81.7703, 14.9254



42.9894, 75.0962, 19.0679



18.9350, 20.7679, 19.1550



27.4588, 41.8936, 6.6390



2.7898, 4.1390, 0.6519

Inverse Universe

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



30.7893, 17.6246, 96.3869



25.5950, 12.2764, 95.6283



51.7386, 28.4243, 97.3673



17.5767, 17.6735, 22.7349



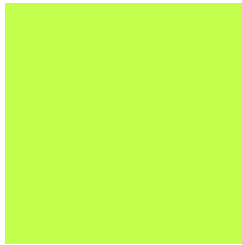
11.5530, 4.8662, 49.7650



1.2355, 0.5308, 4.8506

Previews

White Background



This preview shows how the XYZ color 59.5702, 83.6439, 19.8427 looks on a white background.

Color Contrast Check

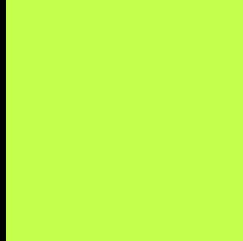
Large Text (above 18pt) WCAG AA × Fail

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 59.5702, 83.6439, 19.8427 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

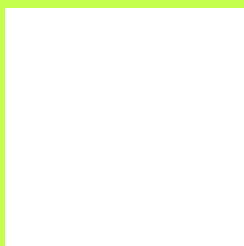
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.5702, 83.6439, 19.8427

Background



This preview shows how black text looks on a background with the XYZ color 59.5702, 83.6439, 19.8427.

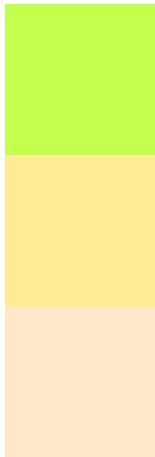


This preview shows how white text looks on a background with the XYZ color 59.5702, 83.6439,

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

59.5702, 83.6439, 19.8427

Protanopia

76.2148, 82.7832, 39.5656

Deuteranopia

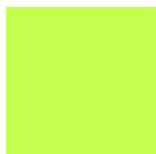
80.4766, 82.6761, 67.5936



Tritanopia

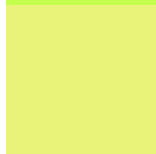
77.5380, 83.2745, 106.5946

Trichromacy



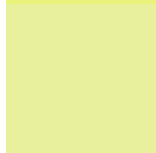
Original Color

59.5702, 83.6439, 19.8427



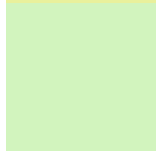
Protanomaly

68.8076, 82.2084, 30.3304



Deuteranomaly

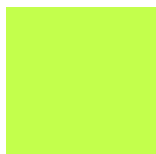
70.7651, 82.0441, 43.5589



Tritanomaly

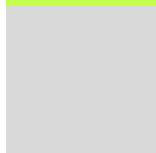
68.2233, 82.1207, 60.9703

Monochromacy



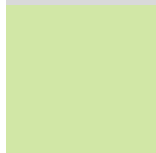
Original Color

59.5702, 83.6439, 19.8427



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

61.7533, 73.4603, 47.0009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.5702, 83.6439, 19.8427 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, 255, 76)` looks like.

```
.text, #text, p{  
    color:rgb(195, 255, 76)  
}
```

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, 255, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 255, 76) }
```

Border

The CSS property to change the border of an element to XYZ 59.5702, 83.6439, 19.8427 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, 255, 76) }
```


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

```
.border{ border-color:rgb(195, 255, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 255, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 255, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 255, 76);  
box-shadow:4px 4px 4px 4px rgb(195, 255,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 59.5702, 83.6439, 19.8427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 255, 76) }
```

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

```
.background{ background-color: rgb(195,  
255, 76) }
```

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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