

Converting Colors

XYZ(59.5588, 83.7869, 13.1171)

Have a look what the booklet for
XYZ(59.5588, 83.7869, 13.1171)
contains.

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Color

**XYZ(59.5959, 83.8059,
13.1213)**

Conversions

Conversions Part 1

Format	Color
Hex	C8FF03
RGB	200, 255, 3
RGB Percent	78%, 100%, 1%
CMY	0.2157, 0.0000, 0.9881
CMYK	0.22, 0.00, 0.99, 0.00
HSL	73°, 100%, 51%
HSV	73°, 99%, 100%
XYZ	59.5959, 83.8059, 13.1213
YIQ	209.8270, 48.1120, -90.0320

Conversions

Conversions Part 2

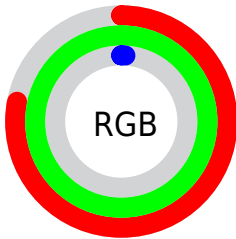
Format	Color
R_YB	3, 255, 58
Decimal	13172483
CIE Lab	93.37, -43.45, 89.77
CIE LCh	93, 99.738, 115.828
Yxy	83.8059, 0.3807, 0.5354
Android (android.graphics.Color)	4291362563 (0xFFC8FF03)
YUV	209.8270, -101.9657, -8.6183
Hunter-Lab	91.5456, -44.0017, 55.5838

Details

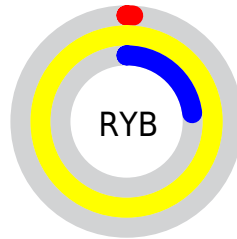
The XYZ color **59.5959, 83.8059, 13.1213** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **19.8303, 8.1868, 95.1428**, and the grayscale version is **61.7738, 64.9909, 70.7750**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **31.0093, 45.9636, 7.2375** is the 20% darker color. If you saturate the color by 10%, you get **59.4024, 83.7081, 13.0264**, and if you desaturate by 10%, it is **61.3094, 84.6662, 14.2437**.

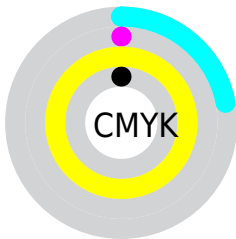
Distribution



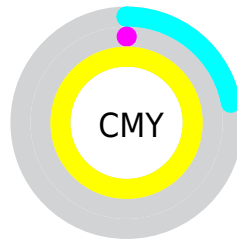
- Red (78%)
- Green (100%)
- Blue (1%)



- Red (1%)
- Yellow (100%)
- Blue (23%)



- Cyan (22%)
- Magenta (0%)
- Yellow (99%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.5959, 83.8059, 13.1213 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 59.5959, 83.8059, 13.1213 by changing the saturation by 10% instead.


 59.5959, 83.8059,
13.1213


 59.5959, 83.8059,
13.1213


412.9653,
507.6685, 222.9287

 43.3412, 62.8552,
7.3804


 103.3529,
138.7036, 32.2159

 30.3486, 45.7241,
3.6191


 131.5860,
173.4194, 46.4067


 20.2527, 32.0281,
1.4188


 164.5425,
213.4924, 64.2512

 12.6882, 21.3830,
0.1563

 202.5880,
259.3069, 86.1680

 7.2897, 13.4042,
0.0000

 246.0876,
311.2474, 112.5756

 3.6919, 7.7075,
0.0000

 295.4068,

 1.5293, 3.9084,

369.6982, 143.8926

0.0000

350.9109,
435.0438, 180.5374

■ 0.3457, 1.6224,
0.0000

■ 0.0000, 0.3727,
0.0000

■ 59.5959, 83.8059,
13.1213

■ 59.5959, 83.8059,
13.1213

■ 59.4024, 83.7081,
13.0264

■ 61.3094, 84.6662,
14.2437

■ 63.3287, 85.6552,
16.6904

■ 65.7169, 86.7980,
20.7908

■ 68.5174, 88.1123,
26.7718

71.7672, 89.6127,
34.8244

75.4986, 91.3124,
45.1165

79.7408, 93.2230,
57.7987

84.5202, 95.3552,
73.0085

89.8617, 97.7190,
90.8729

Harmonies

Analogous

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



83.3902, 83.8059, 9.6236



59.5959, 83.8059, 13.1213



44.7197, 83.8059, 31.6903

Triad

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



59.5959, 83.8059, 13.1213



54.4980, 83.8059, 271.1233



141.4690, 83.8059, 102.1952

Complementary

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



59.5959, 83.8059, 13.1213



19.8303, 8.1868, 95.1428

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.



129.2349, 83.8059, 199.1358



59.5959, 83.8059, 13.1213



76.0330, 83.8059, 325.2445

Square

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



59.5959, 83.8059, 13.1213



42.2629, 83.8059, 169.9883



103.7749, 83.8059, 293.4831



134.3804, 83.8059, 41.5870

Rectangle

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



59.5959, 83.8059, 13.1213



40.0029, 83.8059, 60.1918



103.7749, 83.8059, 293.4831



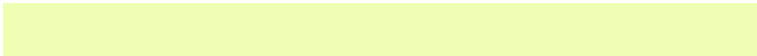
139.4188, 83.8059, 131.4911

Sweetspot

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



59.5960, 83.8060, 13.1225



79.2071, 92.9837, 56.1562



42.7512, 24.2558, 2.5159



16.5628, 19.7266, 10.8377



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.



59.5960, 83.8060, 13.1225



59.4024, 83.7081, 13.0264



38.6339, 72.9996, 12.1414



19.1504, 20.8790, 19.1650



31.1716, 43.8076, 6.8128



3.1265, 4.3126, 0.6676

Inverse Universe

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



19.8303, 8.1868, 95.1428



19.6622, 8.0511, 95.1254



37.7573, 17.4285, 95.9817



17.3737, 17.5689, 22.7254



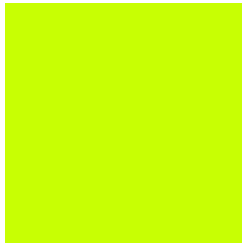
10.3761, 4.2596, 49.7099



1.0981, 0.4600, 4.8442

Previews

White Background



This preview shows how the XYZ color 59.5959, 83.8059, 13.1213 looks on a white background.

Color Contrast Check

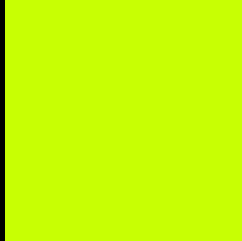
Large Text (above 18pt) WCAG AA × Fail

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 59.5959, 83.8059, 13.1213 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 59.5959, 83.8059, 13.1213

Background



This preview shows how black text looks on a background with the XYZ color 59.5959, 83.8059, 13.1213.

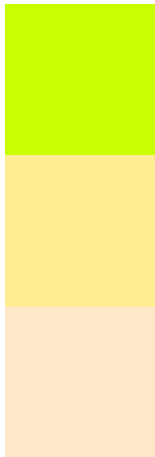


This preview shows how white text looks on a background with the XYZ color 59.5959, 83.8059,

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

59.5959, 83.8059, 13.1213

Protanopia

76.5019, 83.3575, 39.6613

Deuteranopia

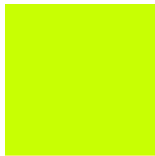
80.7573, 83.2375, 67.6872



Tritanopia

78.4584, 83.3180, 106.5545

Trichromacy



Original Color

59.5959, 83.8059, 13.1213



Protanomaly

68.3771, 82.5896, 23.1640



Deuteranomaly

69.4503, 81.5940, 33.2079



Tritanomaly

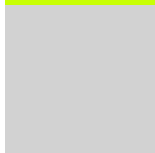
66.6931, 81.6419, 46.8937

Monochromacy



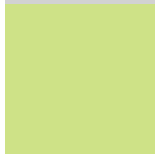
Original Color

59.5959, 83.8059, 13.1213



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

57.0231, 69.2638, 33.2855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.5959, 83.8059, 13.1213 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, 255, 3)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 3)  
}
```

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, 255, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 3) }
```

Border

The CSS property to change the border of an element to XYZ 59.5959, 83.8059, 13.1213 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, 255, 3) }
```


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

```
.border{ border-color:rgb(200, 255, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 255, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 3);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
3) }
```

Background

The CSS property to change the background color of an element to XYZ 59.5959, 83.8059, 13.1213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 3) }
```

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

```
.background{ background-color: rgb(200,  
255, 3) }
```

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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