

Converting Colors

XYZ(59.9997, 84.0104, 13.2737)

Have a look what the booklet for
XYZ(59.9997, 84.0104, 13.2737)
contains.

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Color

**XYZ(59.8912, 83.9550,
13.2781)**

Conversions

Conversions Part 1

Format	Color
Hex	C9FF08
RGB	201, 255, 8
RGB Percent	79%, 100%, 3%
CMY	0.2118, 0.0000, 0.9685
CMYK	0.21, 0.00, 0.97, 0.00
HSL	73°, 100%, 52%
HSV	73°, 97%, 100%
XYZ	59.8912, 83.9550, 13.2781
YIQ	210.6960, 47.1030, -88.2650

Conversions

Conversions Part 2

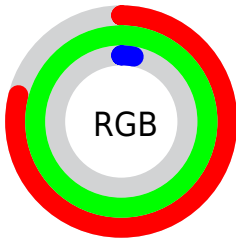
Format	Color
RYB	8, 255, 62
Decimal	13238024
CIELab	93.43, -43.03, 89.49
CIElCh	93, 99.300, 115.677
Yxy	83.9550, 0.3812, 0.5343
Android (android.graphics.Color)	4291428104 (0xFFC9FF08)
YUV	210.6960, -99.9291, -8.5034
Hunter-Lab	91.6270, -43.6721, 55.5469

Details

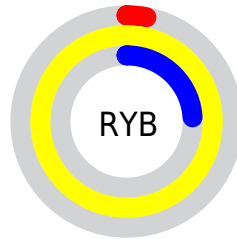
The XYZ color **59.8912, 83.9550, 13.2781** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **20.1265, 8.4200, 95.1722**, and the grayscale version is **62.3358, 65.5821, 71.4189**.

A 20% lighter version of the original color is **79.1113, 93.6245, 24.9681**, and **31.1786, 46.0509, 7.2454** is the 20% darker color. If you saturate the color by 10%, you get **59.3772, 83.6951, 13.0253**, and if you desaturate by 10%, it is **61.6557, 84.8371, 14.6045**.

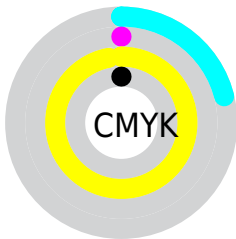
Distribution



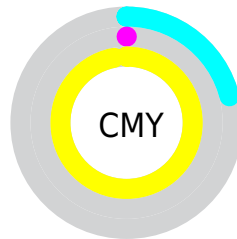
- Red (79%)
- Green (100%)
- Blue (3%)



- Red (3%)
- Yellow (100%)
- Blue (24%)



- Cyan (21%)
- Magenta (0%)
- Yellow (97%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.8912, 83.9550, 13.2781 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 59.8912, 83.9550, 13.2781 by changing the saturation by 10% instead.


 59.8912, 83.9550,
13.2781

 59.8912, 83.9550,
13.2781


414.0378,
508.1638, 223.9624


 43.5801, 62.9783,
7.4874


 103.7791,
138.9122, 32.5010

 30.5370, 45.8236,
3.6857


 132.0865,
173.6615, 46.7702


 20.3966, 32.1067,
1.4545


 165.1234,
213.7705, 64.7027

 12.7936, 21.4430,
0.1837

 203.2552,
259.6235, 86.7169

 7.3626, 13.4482,
0.0000

 246.8472,
311.6049, 113.2315

 3.7382, 7.7379,
0.0000

 296.2647,

 1.5551, 3.9277,

370.0992, 144.6649

0.0000

351.8731,
435.4907, 181.4357

■ 0.3629, 1.6332,
0.0000

■ 0.0000, 0.3798,
0.0000

■ 59.8912, 83.9550,
13.2781

■ 59.8912, 83.9550,
13.2781

■ 59.3772, 83.6951,
13.0253

■ 61.6557, 84.8371,
14.6045

■ 63.7454, 85.8557,
17.3553

■ 66.2134, 87.0320,
21.8081

■ 69.1015, 88.3828,
28.1812

72.4458, 89.9226,
36.6605

76.2778, 91.6641,
47.4099

80.6261, 93.6189,
60.5774

85.5170, 95.7973,
76.2981

90.9747, 98.2092,
94.6973

Harmonies

Analogous

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



83.6562, 83.9550, 9.8087



59.8912, 83.9550, 13.2781



44.9923, 83.9550, 31.7917

Triad

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



59.8912, 83.9550, 13.2781



54.6197, 83.9550, 269.9324



141.3379, 83.9550, 102.7298

Complementary

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



59.8912, 83.9550, 13.2781



20.1265, 8.4200, 95.1722

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.



129.0741, 83.9550, 199.3368



59.8912, 83.9550, 13.2781



76.0578, 83.9550, 324.0805

Square

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



59.8912, 83.9550, 13.2781



42.4491, 83.9550, 169.2979



103.6861, 83.9550, 292.9506



134.3799, 83.9550, 42.0513

Rectangle

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



59.8912, 83.9550, 13.2781



40.2494, 83.9550, 60.1536



103.6861, 83.9550, 292.9506



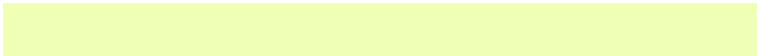
139.2648, 83.9550, 131.9699

Sweetspot

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



59.8912, 83.9550, 13.2793



79.6448, 93.1794, 57.5307



42.9823, 24.6740, 2.7281



16.6469, 19.7644, 11.0959



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.



59.8912, 83.9550, 13.2793



59.3772, 83.6951, 13.0253



38.9470, 73.1579, 12.2991



19.1497, 20.8786, 19.1650



31.1585, 43.8009, 6.8122



3.1254, 4.3120, 0.6676

Inverse Universe

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



20.1265, 8.4200, 95.1722



19.6675, 8.0538, 95.1257



38.1517, 17.7124, 96.0158



17.3743, 17.5692, 22.7254



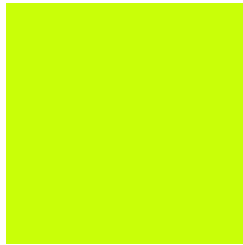
10.3790, 4.2610, 49.7100



1.0985, 0.4602, 4.8442

Previews

White Background



This preview shows how the XYZ color 59.8912, 83.9550, 13.2781 looks on a white background.

Color Contrast Check

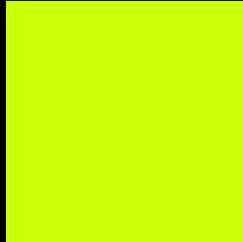
Large Text (above 18pt) WCAG AA × Fail

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 59.8912, 83.9550, 13.2781 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 59.8912, 83.9550, 13.2781

Background



This preview shows how black text looks on a background with the XYZ color 59.8912, 83.9550, 13.2781.

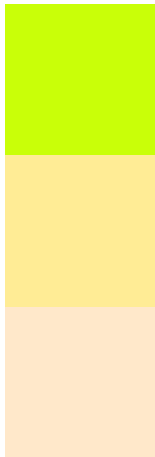


This preview shows how white text looks on a background with the XYZ color 59.8912, 83.9550,

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

59.8912, 83.9550, 13.2781

Protanopia

76.6603, 83.4208, 40.4952

Deuteranopia

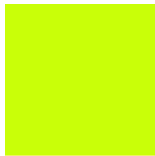
80.7573, 83.2375, 67.6872



Tritanopia

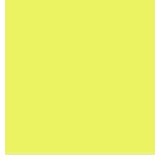
78.7656, 83.4763, 106.5689

Trichromacy



Original Color

59.8912, 83.9550, 13.2781



Protanomaly

68.5161, 82.6452, 23.8962



Deuteranomaly

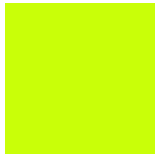
69.5178, 81.6210, 33.5632



Tritanomaly

67.1665, 81.8651, 47.8588

Monochromacy



Original Color

59.8912, 83.9550, 13.2781



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

57.7166, 70.0097, 34.1382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.8912, 83.9550, 13.2781 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(201, 255, 8)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 8)  
}
```

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(201, 255, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 8) }
```

Border

The CSS property to change the border of an element to XYZ 59.8912, 83.9550, 13.2781 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(201, 255, 8) }
```


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

```
.border{ border-color:rgb(201, 255, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 255, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 8);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
8) }
```

Background

The CSS property to change the background color of an element to XYZ 59.8912, 83.9550, 13.2781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 8) }
```

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

```
.background{ background-color: rgb(201,  
255, 8) }
```

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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