

Converting Colors

XYZ(59.9891, 83.8847, 18.7424)

Have a look what the booklet for
XYZ(59.9891, 83.8847, 18.7424)
contains.

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Color

**XYZ(59.8914, 83.8325,
18.8190)**

Conversions

Conversions Part 1

Format	Color
Hex	C5FF46
RGB	197, 255, 70
RGB Percent	77%, 100%, 27%
CMY	0.2275, 0.0000, 0.7255
CMYK	0.23, 0.00, 0.73, 0.00
HSL	79°, 100%, 64%
HSV	79°, 73%, 100%
XYZ	59.8914, 83.8325, 18.8190
YIQ	216.5680, 24.8170, -69.8310

Conversions

Conversions Part 2

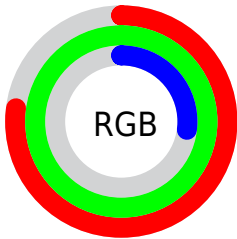
Format	Color
RYB	70, 255, 128
Decimal	12975942
CIELab	93.38, -42.80, 77.18
CIElCh	93, 88.248, 119.010
Yxy	83.8325, 0.3685, 0.5158
Android (android.graphics.Color)	4291166022 (0xFFC5FF46)
YUV	216.5680, -72.2580, -17.1611
Hunter-Lab	91.5601, -43.4695, 51.9058

Details

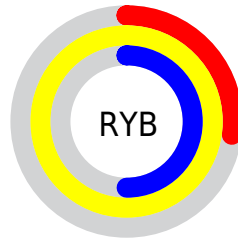
The XYZ color **59.8914, 83.8325, 18.8190** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **29.1438, 16.1910, 96.1969**, and the grayscale version is **66.1243, 69.5679, 75.7595**.

A 20% lighter version of the original color is **81.0293, 94.3917, 35.0678**, and **30.6753, 45.7914, 7.2219** is the 20% darker color. If you saturate the color by 10%, you get **57.2115, 82.5251, 15.3467**, and if you desaturate by 10%, it is **63.0239, 85.3338, 24.0970**.

Distribution



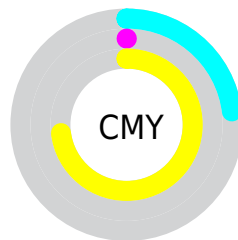
- Red (77%)
- Green (100%)
- Blue (27%)



- Red (27%)
- Yellow (100%)
- Blue (50%)



- Cyan (23%)
- Magenta (0%)
- Yellow (73%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.8914, 83.8325, 18.8190 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 59.8914, 83.8325, 18.8190 by changing the saturation by 10% instead.


 59.8914, 83.8325,
18.8190

 59.8914, 83.8325,
18.8190


414.0385,
507.7569, 257.8371


 43.5802, 62.8772,
11.3641


 103.7794,
138.7408, 42.2606


 30.5371, 45.7418,
6.1950


 132.0869,
173.4626, 59.0844


 20.3967, 32.0421,
2.8933


 165.1238,
213.5420, 79.8683

 12.7937, 21.3937,
1.0404

 203.2557,
259.3634, 105.0307

 7.3627, 13.4121,
0.0000

 246.8477,
311.3112, 134.9903

 3.7383, 7.7129,
0.0000

296.2653,

 1.5551, 3.9118,

369.7698, 170.1655

0.0000

351.8738,
435.1235, 210.9749

■ 0.3629, 1.6243,
0.0000

■ 0.0000, 0.3739,
0.0000

■ 59.8914, 83.8325,
18.8190

■ 59.8914, 83.8325,
18.8190

■ 57.2115, 82.5251,
15.3467

■ 63.0239, 85.3338,
24.0970

■ 54.9358, 81.3919,
13.4312

■ 66.6491, 87.0452,
31.3800

■ 53.4505, 80.6398,
12.7479


■ 70.8018, 88.9808,
40.8447

■ 75.5135, 91.1534,
52.6476

 80.8127, 93.5746,
66.9308

 86.7257, 96.2550,
83.8250

 93.2770, 99.2047,
103.4520

 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.



80.4561, 83.8325, 13.7527



59.8914, 83.8325, 18.8190



47.1488, 83.8325, 39.9199

Triad

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



59.8914, 83.8325, 18.8190



58.7909, 83.8325, 251.0917



133.3129, 83.8325, 93.5120

Complementary

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



59.8914, 83.8325, 18.8190



29.1438, 16.1910, 96.1969

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.



124.5215, 83.8325, 174.4343



59.8914, 83.8325, 18.8190



78.9095, 83.8325, 288.7012

Square

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



59.8914, 83.8325, 18.8190



46.6059, 83.8325, 168.5934



103.4086, 83.8325, 255.4649



125.5658, 83.8325, 42.1711

Rectangle

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



59.8914, 83.8325, 18.8190



43.3333, 83.8325, 68.9643



103.4086, 83.8325, 255.4649



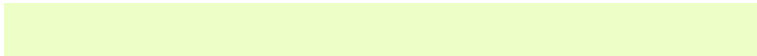
132.1690, 83.8325, 117.9533

Sweetspot

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



59.8915, 83.8325, 18.8202



81.1196, 93.7142, 67.7852



49.7434, 36.4977, 10.2185



17.0407, 19.9120, 13.6175



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.



59.8915, 83.8325, 18.8202



56.1514, 82.0002, 14.3180



42.9298, 75.0884, 18.0264



18.9747, 20.7884, 19.1568



28.0901, 42.2190, 6.6686



2.8479, 4.1689, 0.6546

Inverse Universe

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



29.1438, 16.1910, 96.1969



24.1579, 11.1823, 95.4929



49.1544, 26.5068, 97.1333



17.5388, 17.6540, 22.7331



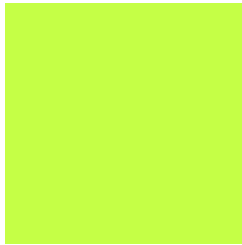
11.2927, 4.7321, 49.7528



1.2065, 0.5159, 4.8493

Previews

White Background



This preview shows how the XYZ color 59.8914, 83.8325, 18.8190 looks on a white background.

Color Contrast Check

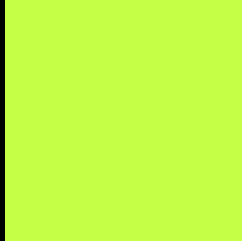
Large Text (above 18pt) WCAG AA × Fail

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 59.8914, 83.8325, 18.8190 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 59.8914, 83.8325, 18.8190

Background



This preview shows how black text looks on a background with the XYZ color 59.8914, 83.8325, 18.8190.

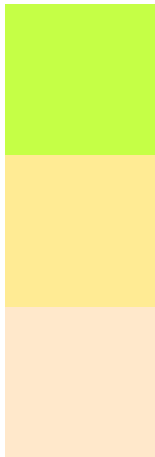


This preview shows how white text looks on a background with the XYZ color 59.8914, 83.8325,

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

59.8914, 83.8325, 18.8190

Protanopia

76.2936, 82.8148, 39.9807

Deuteranopia

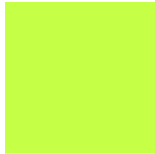
80.8761, 83.2850, 68.3129



Tritanopia

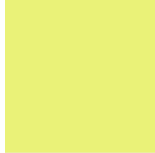
78.1397, 83.5847, 106.6228

Trichromacy



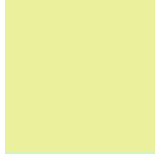
Original Color

59.8914, 83.8325, 18.8190



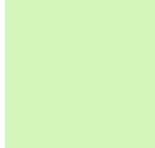
Protanomaly

69.0740, 82.3528, 30.0244



Deuteranomaly

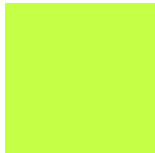
71.0082, 82.1792, 43.1300



Tritanomaly

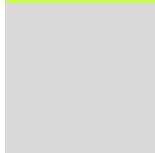
68.5792, 82.3293, 59.8536

Monochromacy



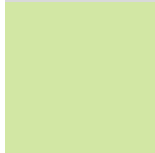
Original Color

59.8914, 83.8325, 18.8190



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

61.8551, 73.5338, 46.0553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.8914, 83.8325, 18.8190 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(197, 255, 70)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 70)  
}
```

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(197, 255, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 70) }
```

Border

The CSS property to change the border of an element to XYZ 59.8914, 83.8325, 18.8190 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(197, 255, 70) }
```


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

```
.border{ border-color:rgb(197, 255, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 255, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 70);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 59.8914, 83.8325, 18.8190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 70) }
```

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

```
.background{ background-color: rgb(197,  
255, 70) }
```

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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