

Converting Colors

XYZ(59.8234, 80.4509, 16.4168)

Have a look what the booklet for
XYZ(59.8234, 80.4509, 16.4168)
contains.

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Color

**XYZ(59.7847, 80.5621,
16.4020)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | CEF83A |
| RGB | 206, 248, 58 |
| RGB Percent | 81%, 97%, 23% |
| CMY | 0.1922, 0.0274, 0.7725 |
| CMYK | 0.17, 0.00, 0.77, 0.03 |
| HSL | 73°, 93%, 60% |
| HSV | 73°, 77%, 97% |
| XYZ | 59.7847, 80.5621, 16.4020 |
| YIQ | 213.7820, 35.9580, -67.9940 |

Conversions

Conversions Part 2

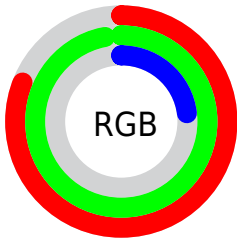
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 58, 248, 100 |
| Decimal | 13563962 |
| CIELab | 91.94, -36.84, 79.68 |
| CIELCh | 92, 87.785, 114.813 |
| Yxy | 80.5621, 0.3814, 0.5140 |
| Android (android.graphics.Color) | 4291754042 (0xFFCEF83A) |
| YUV | 213.7820, -76.8005, -6.8248 |
| Hunter-Lab | 89.7564, -38.1789, 51.9949 |

Details

The XYZ color **59.7847, 80.5621, 16.4020** 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 **23.7148, 12.5147, 89.9774**, and the grayscale version is **64.2554, 67.6017, 73.6182**.

A 20% lighter version of the original color is **80.3902, 94.1361, 31.7024**, and **30.8823, 43.9023, 6.8463** is the 20% darker color. If you saturate the color by 10%, you get **57.8042, 79.6000, 13.7718**, and if you desaturate by 10%, it is **62.1256, 81.6803, 20.6364**.

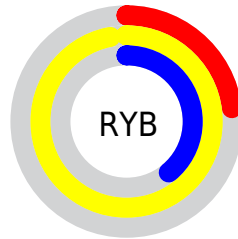
Distribution



Red (81%)

Green (97%)

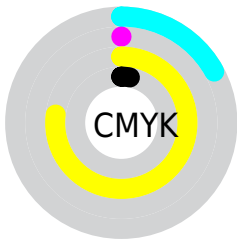
Blue (23%)



Red (23%)

Yellow (97%)

Blue (39%)

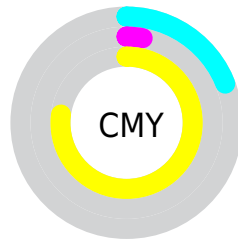


Cyan (17%)

Magenta (0%)

Yellow (77%)

Black (3%)



Cyan (19%)


Magenta (3%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.7847, 80.5621, 16.4020 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 59.7847, 80.5621, 16.4020 by changing the saturation by 10% instead.


 59.7847, 80.5621,
16.4020


 59.7847, 80.5621,
16.4020


413.6512,
496.8251, 243.6285


 43.4939, 60.1810,
9.6516


 103.6254,
134.1557, 38.0712


 30.4690, 43.5646,
5.0660


 131.9060,
168.1371, 53.8270


 20.3447, 30.3283,
2.2266


 164.9140,
207.4206, 73.4218

 12.7556, 20.0879,
0.6897

 203.0147,
252.3907, 97.2741

 7.3363, 12.4590,
0.0000

 246.5733,
303.4319, 125.8023

 3.7215, 7.0571,
0.0000

295.9554,

 1.5458, 3.4978,

360.9284, 159.4251

0.0000

351.5263,
425.2647, 198.5610

■ 0.3567, 1.3968,
0.0000

■ 0.0000, 0.2144,
0.0000

■ 59.7847, 80.5621,
16.4020

■ 59.7847, 80.5621,
16.4020

■ 57.8042, 79.6000,
13.7718

■ 62.1256, 81.6803,
20.6364

■ 56.1295, 78.7634,
12.4859

■ 64.8603, 82.9593,
26.6728

■ 55.6060, 78.4988,
12.2210

■ 68.0240, 84.4162,
34.6858

■ 71.6463, 86.0628,
44.8281

75.7538, 87.9099,
57.2375

80.3709, 89.9672,
72.0401

85.5204, 92.2440,
89.3528

90.9951, 94.6574,
108.0825

92.8592, 95.6185,
108.1697

Harmonies

Analogous

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



80.5579, 80.5621, 13.0754



59.7847, 80.5621, 16.4020



46.3298, 80.5621, 33.8685

Triad

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



59.7847, 80.5621, 16.4020



54.2121, 80.5621, 233.3072



128.3580, 80.5621, 99.4272

Complementary

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



59.7847, 80.5621, 16.4020



23.7148, 12.5147, 89.9774

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.



117.7391, 80.5621, 180.4572



59.7847, 80.5621, 16.4020



72.7195, 80.5621, 278.5157

Square

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



59.7847, 80.5621, 16.4020



43.5826, 80.5621, 150.8042



96.2396, 80.5621, 255.5221



123.0374, 80.5621, 45.2570

Rectangle

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



59.7847, 80.5621, 16.4020



41.8964, 80.5621, 59.0515



96.2396, 80.5621, 255.5221



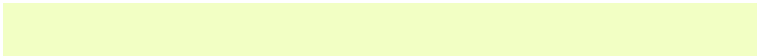
126.4815, 80.5621, 124.4229

Sweetspot

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



59.7866, 80.5657, 16.4037



82.3930, 94.4046, 66.3130



43.9558, 29.2198, 7.3273



17.2685, 20.0425, 13.0379



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.



59.7866, 80.5657, 16.4037



60.5545, 84.2870, 13.7581



40.9950, 70.8783, 15.5243



18.3299, 19.9859, 18.3540



30.1622, 42.4675, 6.6073



2.8828, 3.9792, 0.6161

Inverse Universe

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



23.7148, 12.5147, 89.9774



20.9998, 9.1226, 95.2618



40.7503, 21.2968, 90.7747



16.6419, 16.8280, 21.7563



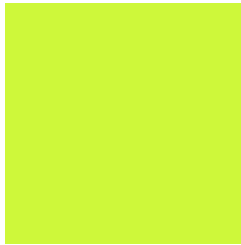
10.0962, 4.1475, 48.2420



1.0216, 0.4287, 4.4721

Previews

White Background



This preview shows how the XYZ color 59.7847, 80.5621, 16.4020 looks on a white background.

Color Contrast Check

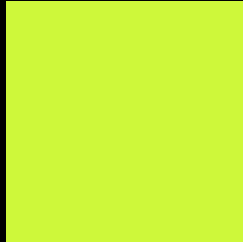
Large Text (above 18pt) WCAG AA × Fail

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 59.7847, 80.5621, 16.4020 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 59.7847, 80.5621, 16.4020

Background



This preview shows how black text looks on a background with the XYZ color 59.7847, 80.5621, 16.4020.

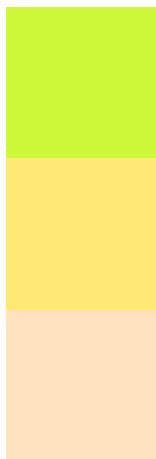


This preview shows how white text looks on a background with the XYZ color 59.7847, 80.5621,

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

59.7847, 80.5621, 16.4020

Protanopia

73.1911, 80.2110, 27.8443

Deuteranopia

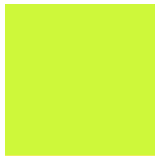
78.1131, 79.9598, 60.6070



Tritanopia

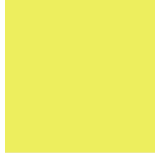
76.7261, 79.9989, 101.0200

Trichromacy



Original Color

59.7847, 80.5621, 16.4020



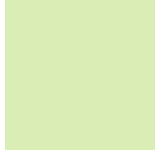
Protanomaly

67.5200, 79.9617, 22.4652



Deuteranomaly

69.5913, 79.4044, 37.6453



Tritanomaly

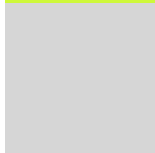
67.4358, 78.7691, 54.8297

Monochromacy



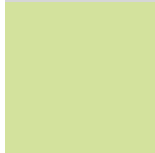
Original Color

59.7847, 80.5621, 16.4020



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

60.1461, 70.6759, 42.3701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.7847, 80.5621, 16.4020 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(206, 248, 58)` looks like.

```
.text, #text, p{  
    color:rgb(206, 248, 58)  
}
```

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(206, 248, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 248, 58) }
```

Border

The CSS property to change the border of an element to XYZ 59.7847, 80.5621, 16.4020 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(206, 248, 58) }
```


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

```
.border{ border-color:rgb(206, 248, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 248, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 248, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 248, 58);  
box-shadow:4px 4px 4px 4px rgb(206, 248,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 59.7847, 80.5621, 16.4020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 248, 58) }
```

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

```
.background{ background-color: rgb(206,  
248, 58) }
```

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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