

Converting Colors

XYZ(60.0396, 80.2418, 17.1789)

Have a look what the booklet for
XYZ(60.0396, 80.2418, 17.1789)
contains.

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Color

**XYZ(59.9183, 80.1571,
17.1643)**

Conversions

Conversions Part 1

Format	Color
Hex	CFF740
RGB	207, 247, 64
RGB Percent	81%, 97%, 25%
CMY	0.1882, 0.0313, 0.7490
CMYK	0.16, 0.00, 0.74, 0.03
HSL	73°, 92%, 61%
HSV	73°, 74%, 97%
XYZ	59.9183, 80.1571, 17.1643
YIQ	214.1780, 34.9030, -65.3930

Conversions

Conversions Part 2

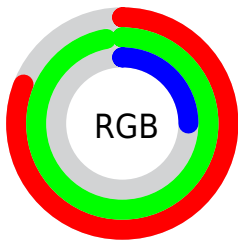
Format	Color
RYB	64, 247, 104
Decimal	13629248
CIELab	91.76, -35.74, 77.74
CIElCh	92, 85.566, 114.688
Yxy	80.1571, 0.3811, 0.5098
Android (android.graphics.Color)	4291819328 (0xFFCFF740)
YUV	214.1780, -74.0378, -6.2951
Hunter-Lab	89.5305, -37.2172, 51.3046

Details

The XYZ color **59.9183, 80.1571, 17.1643** 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 **24.3337, 13.3272, 89.2904**, and the grayscale version is **64.5053, 67.8646, 73.9046**.

A 20% lighter version of the original color is **80.6381, 94.2352, 33.0079**, and **30.8435, 43.5575, 6.7818** is the 20% darker color. If you saturate the color by 10%, you get **57.8828, 79.1744, 14.1776**, and if you desaturate by 10%, it is **62.3202, 81.2980, 21.7944**.

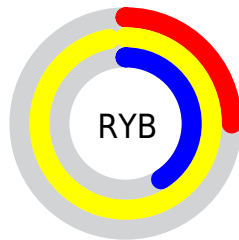
Distribution



Red (81%)

Green (97%)

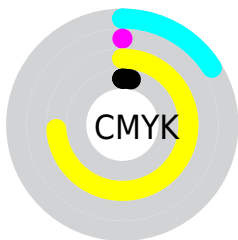
Blue (25%)



Red (25%)

Yellow (97%)

Blue (41%)

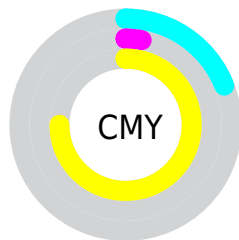


Cyan (16%)

Magenta (0%)

Yellow (74%)

Black (3%)



Cyan (19%)


Magenta (3%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.9183, 80.1571, 17.1643 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 59.9183, 80.1571, 17.1643 by changing the saturation by 10% instead.


 59.9183, 80.1571,
17.1643


 59.9183, 80.1571,
17.1643


414.1361,
495.4621, 248.1933

 43.6020, 59.8476,
10.1885


 103.8182,
133.5866, 39.4026


 30.5543, 43.2958,
5.4169


 132.1324,
167.4754, 55.5021


 20.4099, 30.1173,
2.4309


 165.1767,
206.6594, 75.4800

 12.8033, 19.9276,
0.8032

 203.3164,
251.5231, 99.7548

 7.3693, 12.3425,
0.0000

 246.9168,
302.4509, 128.7449

 3.7425, 6.9774,
0.0000

296.3434,

 1.5575, 3.4479,

359.8270, 162.8691

0.0000

351.9613,
424.0359, 202.5457

0.3645, 1.3698,
0.0000

0.0000, 0.1943,
0.0000

59.9183, 80.1571,
17.1643

59.9183, 80.1571,
17.1643

57.8828, 79.1744,
14.1776

62.3202, 81.2980,
21.7944


56.1629, 78.3211,
12.5947


65.1197, 82.6011,
28.2550


55.2565, 77.8635,
12.1168


68.3508, 84.0829,
36.7133


72.0417, 85.7548,
47.3162

 76.2184, 87.6272,
60.1971

 80.9044, 89.7095,
75.4783

 86.1218, 92.0108,
93.2736

 90.8083, 94.1059,
107.9859

 92.5526, 95.0052,
108.0675

Harmonies

Analogous

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



80.1518, 80.1571, 13.8512



59.9183, 80.1571, 17.1643



46.7335, 80.1571, 34.4828

Triad

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



59.9183, 80.1571, 17.1643



54.3479, 80.1571, 227.2983



126.2739, 80.1571, 98.9239

Complementary

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



59.9183, 80.1571, 17.1643



24.3337, 13.3272, 89.2904

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.



115.9711, 80.1571, 177.1853



59.9183, 80.1571, 17.1643



72.3550, 80.1571, 270.8316

Square

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



59.9183, 80.1571, 17.1643



43.9755, 80.1571, 147.9565



95.1621, 80.1571, 249.0918



121.2061, 80.1571, 45.9770

Rectangle

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



59.9183, 80.1571, 17.1643



42.3636, 80.1571, 59.1489



95.1621, 80.1571, 249.0918



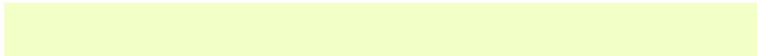
124.4427, 80.1571, 123.1520

Sweetspot

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



59.9202, 80.1607, 17.1660



82.9282, 94.6466, 67.8698



44.2013, 29.9772, 8.3081



17.4711, 20.1338, 13.6376



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.



59.9202, 80.1607, 17.1660



61.2534, 84.6380, 14.2101



41.3716, 70.5986, 16.2979



17.5395, 19.1202, 17.5637



29.3478, 41.2422, 6.4137



2.6650, 3.6689, 0.5677

Inverse Universe

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



24.3337, 13.3272, 89.2904



21.5809, 9.6585, 95.3346



41.1693, 22.0063, 90.0783



15.9199, 16.1013, 20.8114



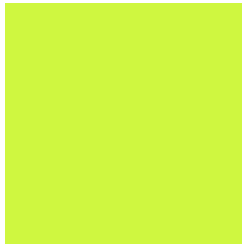
9.7812, 4.0167, 46.7978



0.9437, 0.3964, 4.1170

Previews

White Background



This preview shows how the XYZ color 59.9183, 80.1571, 17.1643 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 59.9183, 80.1571, 17.1643 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 59.9183, 80.1571, 17.1643

Background



This preview shows how black text looks on a background with the XYZ color 59.9183, 80.1571, 17.1643.

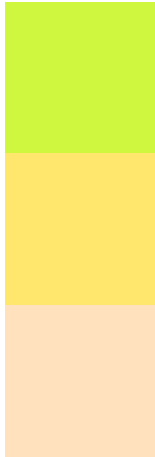


This preview shows how white text looks on a background with the XYZ color 59.9183, 80.1571,

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

59.9183, 80.1571, 17.1643

Protanopia

72.6304, 79.5376, 26.2761

Deuteranopia

77.6217, 79.3268, 59.3646



Tritanopia

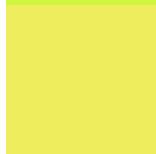
76.7597, 79.6019, 100.9416

Trichromacy



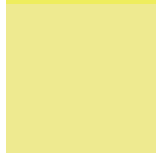
Original Color

59.9183, 80.1571, 17.1643



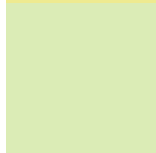
Protanomaly

67.5199, 79.5358, 22.1492



Deuteranomaly

69.7168, 79.0364, 37.9666



Tritanomaly

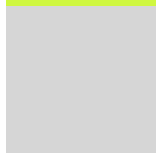
67.6524, 78.4284, 55.8285

Monochromacy



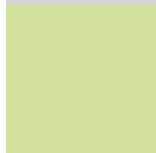
Original Color

59.9183, 80.1571, 17.1643



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

60.3183, 70.7448, 43.2769

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9183, 80.1571, 17.1643 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(207, 247, 64)` looks like.

```
.text, #text, p{  
    color:rgb(207, 247, 64)  
}
```

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(207, 247, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 247, 64) }
```

Border

The CSS property to change the border of an element to XYZ 59.9183, 80.1571, 17.1643 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(207, 247, 64) }
```


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

```
.border{ border-color:rgb(207, 247, 64) }
```

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

Here you see how a box with a 4 pixel rgb(207, 247, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 247, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 247, 64);  
box-shadow:4px 4px 4px 4px rgb(207, 247,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9183, 80.1571, 17.1643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 247, 64) }
```

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

```
.background{ background-color: rgb(207,  
247, 64) }
```

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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