

Converting Colors

XYZ(59.0624, 83.4387, 17.2624)

Have a look what the booklet for
XYZ(59.0624, 83.4387, 17.2624)
contains.

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Color

**XYZ(59.0813, 83.4483,
17.2682)**

Conversions

Conversions Part 1

Format	Color
Hex	C3FF3C
RGB	195, 255, 60
RGB Percent	76%, 100%, 24%
CMY	0.2353, 0.0000, 0.7647
CMYK	0.24, 0.00, 0.76, 0.00
HSL	78°, 100%, 62%
HSV	78°, 76%, 100%
XYZ	59.0813, 83.4483, 17.2682
YIQ	214.8300, 26.8350, -73.3650

Conversions

Conversions Part 2

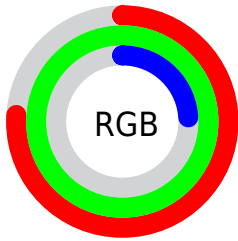
Format	Color
RYB	60, 255, 120
Decimal	12844860
CIELab	93.21, -44.02, 80.04
CIElCh	93, 91.341, 118.809
Yxy	83.4483, 0.3697, 0.5222
Android (android.graphics.Color)	4291034940 (0xFFC3FF3C)
YUV	214.8300, -76.3312, -17.3909
Hunter-Lab	91.3500, -44.4164, 52.7372

Details

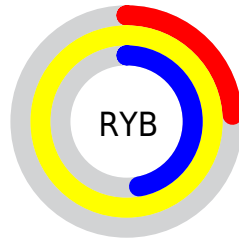
The XYZ color **59.0813, 83.4483, 17.2682** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **27.4133, 14.4463, 95.9513**, and the grayscale version is **64.9640, 68.3471, 74.4300**.

A 20% lighter version of the original color is **80.5129, 94.1851, 32.3484**, and **30.3474, 45.6224, 7.2065** is the 20% darker color. If you saturate the color by 10%, you get **56.5871, 82.2226, 14.4402**, and if you desaturate by 10%, it is **62.0067, 84.8589, 21.8119**.

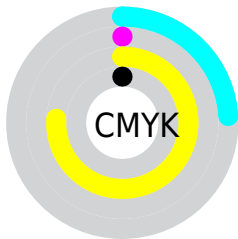
Distribution



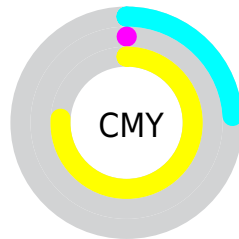
- Red (76%)
- Green (100%)
- Blue (24%)



- Red (24%)
- Yellow (100%)
- Blue (47%)



- Cyan (24%)
- Magenta (0%)
- Yellow (76%)
- Black (0%)



- Cyan (24%)
- Magenta (0%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.0813, 83.4483, 17.2682 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 59.0813, 83.4483, 17.2682 by changing the saturation by 10% instead.

■ 59.0813, 83.4483,
17.2682

■ 59.0813, 83.4483,
17.2682

411.0923,
506.4794, 248.8093

■ 42.9252, 62.5600,
10.2619

■ 102.6098,
138.2032, 39.5833

■ 30.0207, 45.4854,
5.4651

■ 130.7128,
172.8386, 55.7292

■ 20.0024, 31.8399,
2.4592

■ 163.5289,
212.8251, 75.7587

■ 12.5051, 21.2393,
0.8184

■ 201.4234,
258.5473, 100.0903

■ 7.1633, 13.2990,
0.0000

■ 244.7617,
310.3894, 129.1427

■ 3.6117, 7.6348,
0.0000

293.9090,

■ 1.4849, 3.8621,

368.7358, 163.3343

0.0000

349.2308,
433.9710, 203.0836

■ 0.3155, 1.5967,
0.0000

■ 0.0000, 0.3554,
0.0000

■ 59.0813, 83.4483,
17.2682

■ 59.0813, 83.4483,
17.2682

■ 56.5871, 82.2226,
14.4402

■ 62.0067, 84.8589,
21.8119

■ 54.4707, 81.1600,
13.0532

■ 65.4057, 86.4714,
28.2848

■ 53.7856, 80.8125,
12.7636

■ 69.3151, 88.3008,
36.8729

■ 73.7675, 90.3601,
47.7397

■ 78.7922, 92.6615,
61.0323

■ 84.4164, 95.2157,
76.8857

■ 90.6651, 98.0332,
95.4249

■ 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.



80.2786, 83.4483, 12.4111



59.0813, 83.4483, 17.2682



46.0117, 83.4483, 38.1439

Triad

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



59.0813, 83.4483, 17.2682



57.7260, 83.4483, 257.4102



135.0103, 83.4483, 93.6370

Complementary

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



59.0813, 83.4483, 17.2682



27.4133, 14.4463, 95.9513

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.



125.7307, 83.4483, 177.9869



59.0813, 83.4483, 17.2682



78.3594, 83.4483, 297.5450

Square

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



59.0813, 83.4483, 17.2682



45.3475, 83.4483, 170.6381



103.7098, 83.4483, 262.9519



127.0398, 83.4483, 40.8754

Rectangle

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



59.0813, 83.4483, 17.2682



42.0966, 83.4483, 67.5383



103.7098, 83.4483, 262.9519



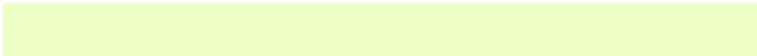
133.7767, 83.4483, 119.0160

Sweetspot

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



59.0814, 83.4484, 17.2694



80.6730, 93.5179, 66.2325



48.5940, 34.6627, 8.4055



16.8482, 19.8258, 13.0182



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.



59.0814, 83.4484, 17.2694



55.3736, 81.6162, 13.5157



41.7222, 74.4994, 16.4570



18.9854, 20.7939, 19.1573



28.2639, 42.3087, 6.6767



2.8638, 4.1771, 0.6553

Inverse Universe

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



27.4133, 14.4463, 95.9513



22.7799, 10.0403, 95.3451



47.9857, 25.0518, 96.9141



17.5287, 17.6488, 22.7326



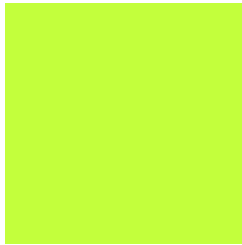
11.2262, 4.6978, 49.7497



1.1991, 0.5121, 4.8489

Previews

White Background



This preview shows how the XYZ color 59.0813, 83.4483, 17.2682 looks on a white background.

Color Contrast Check

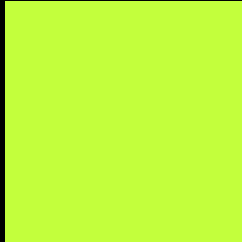
Large Text (above 18pt) WCAG AA × Fail

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 59.0813, 83.4483, 17.2682 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 59.0813, 83.4483, 17.2682

Background



This preview shows how black text looks on a background with the XYZ color 59.0813, 83.4483, 17.2682.

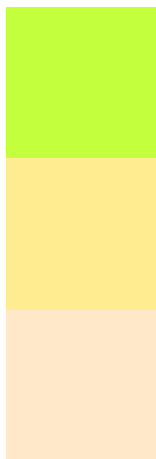


This preview shows how white text looks on a background with the XYZ color 59.0813, 83.4483,

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

59.0813, 83.4483, 17.2682

Protanopia

75.9824, 82.6903, 38.3417

Deuteranopia

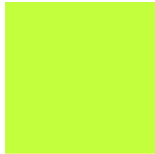
80.3585, 82.6289, 66.9720



Tritanopia

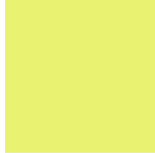
77.2476, 82.6938, 106.4979

Trichromacy



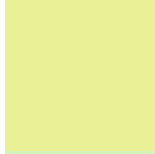
Original Color

59.0813, 83.4483, 17.2682



Protanomaly

68.3370, 82.0202, 27.8525



Deuteranomaly

70.2694, 81.8458, 40.9484



Tritanomaly

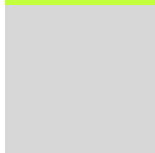
67.5808, 81.8637, 57.5868

Monochromacy



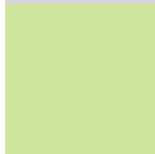
Original Color

59.0813, 83.4483, 17.2682



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

60.5672, 72.5067, 43.6039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.0813, 83.4483, 17.2682 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(195, 255, 60)` looks like.

```
.text, #text, p{  
    color:rgb(195, 255, 60)  
}
```

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(195, 255, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 255, 60) }
```

Border

The CSS property to change the border of an element to XYZ 59.0813, 83.4483, 17.2682 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(195, 255, 60) }
```


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

```
.border{ border-color:rgb(195, 255, 60) }
```

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

Here you see how a box with a 4 pixel rgb(195, 255, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 255, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 255, 60);  
box-shadow:4px 4px 4px 4px rgb(195, 255,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 59.0813, 83.4483, 17.2682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 255, 60) }
```

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

```
.background{ background-color: rgb(195,  
255, 60) }
```

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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