

Converting Colors

XYZ(59.2358, 83.5943, 14.2821)

Have a look what the booklet for
XYZ(59.2358, 83.5943, 14.2821)
contains.

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Color

**XYZ(59.2960, 83.6247,
14.3123)**

Conversions

Conversions Part 1

Format	Color
Hex	C6FF1F
RGB	198, 255, 31
RGB Percent	78%, 100%, 12%
CMY	0.2235, 0.0000, 0.8784
CMYK	0.22, 0.00, 0.88, 0.00
HSL	75°, 100%, 56%
HSV	75°, 88%, 100%
XYZ	59.2960, 83.6247, 14.3123
YIQ	212.4210, 37.9320, -81.7480

Conversions

Conversions Part 2

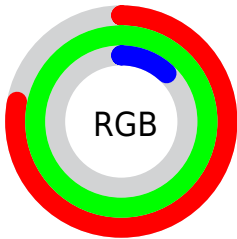
Format	Color
R_{YB}	31, 255, 88
Decimal	13041439
CIE _{Lab}	93.29, -43.83, 86.74
CIE _{LCh}	93, 97.182, 116.810
Yxy	83.6247, 0.3771, 0.5319
Android (android.graphics.Color)	4291231519 (0xFFC6FF1F)
YUV	212.4210, -89.4406, -12.6472
Hunter-Lab	91.4465, -44.2880, 54.7331

Details

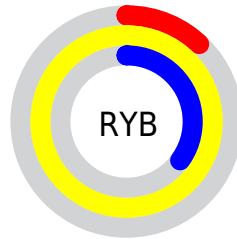
The XYZ color **59.2960, 83.6247, 14.3123** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light washed yellow. A complement of this color would be **22.5666, 10.2764, 95.4019**, and the grayscale version is **63.4201, 66.7229, 72.6612**.

A 20% lighter version of the original color is **79.4987, 93.7795, 27.0079**, and **30.6753, 45.7914, 7.2219** is the 20% darker color. If you saturate the color by 10%, you get **57.4045, 82.6747, 13.0907**, and if you desaturate by 10%, it is **61.5225, 84.7171, 16.9175**.

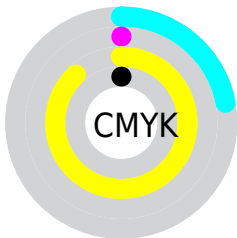
Distribution



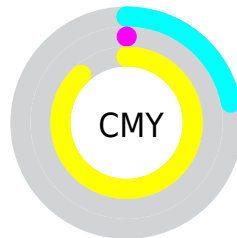
- Red (78%)
- Green (100%)
- Blue (12%)



- Red (12%)
- Yellow (100%)
- Blue (35%)



- Cyan (22%)
- Magenta (0%)
- Yellow (88%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.2960, 83.6247, 14.3123 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 59.2960, 83.6247, 14.3123 by changing the saturation by 10% instead.


 59.2960, 83.6247,
14.3123


 59.2960, 83.6247,
14.3123


411.8744,
507.0661, 230.6607

 43.0987, 62.7056,
8.1970


 102.9199,
138.4501, 34.3672


 30.1574, 45.6031,
4.1317


 131.0773,
173.1251, 49.1439


 20.1068, 31.9327,
1.6979


 163.9520,
213.1544, 67.6447

 12.5814, 21.3101,
0.3593

 201.9096,
258.9221, 90.2883

 7.2159, 13.3509,
0.0000

 245.3152,
310.8127, 117.4931

 3.6450, 7.6706,
0.0000

294.5343,

 1.5034, 3.8849,

369.2107, 149.6778

0.0000

349.9323,
434.5004, 187.2608

■ 0.3281, 1.6094,
0.0000

■ 0.0000, 0.3639,
0.0000

■ 59.2960, 83.6247,
14.3123

■ 59.2960, 83.6247,
14.3123

■ 57.4045, 82.6747,
13.0907

■ 61.5225, 84.7171,
16.9175

■ 57.0216, 82.4808,
12.9150

■ 64.1413, 85.9751,
21.2003

■ 67.1956, 87.4159,
27.3843

■ 70.7219, 89.0543,
35.6582

■ 74.7527, 90.9034,
46.1878

■ 79.3171, 92.9749,
59.1222

■ 84.4418, 95.2795,
74.5980

■ 90.1516, 97.8274,
92.7412

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.



82.2520, 83.6247, 10.3905



59.2960, 83.6247, 14.3123



45.0140, 83.6247, 33.6556

Triad

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



59.2960, 83.6247, 14.3123



55.4805, 83.6247, 267.1608



139.4108, 83.6247, 99.1208

Complementary

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



59.2960, 83.6247, 14.3123



22.5666, 10.2764, 95.4019

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.



128.1662, 83.6247, 191.9997



59.2960, 83.6247, 14.3123



76.7764, 83.6247, 316.5889

Square

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



59.2960, 83.6247, 14.3123



43.1659, 83.6247, 170.5231



103.7985, 83.6247, 283.5545



131.9678, 83.6247, 41.1457

Rectangle

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



59.2960, 83.6247, 14.3123



40.5641, 83.6247, 62.5404



103.7985, 83.6247, 283.5545



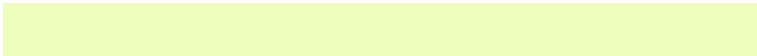
137.6417, 83.6247, 127.1326

Sweetspot

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



59.2960, 83.6247, 14.3134



80.2155, 93.3803, 61.7700



44.8968, 28.1775, 4.3700



16.8101, 19.8249, 12.1677



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.



59.2960, 83.6247, 14.3134



57.0216, 82.4808, 12.9150



39.9392, 73.6459, 13.4076



19.0834, 20.8444, 19.1619



29.9404, 43.1729, 6.7552



3.0160, 4.2556, 0.6624

Inverse Universe

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



22.5666, 10.2764, 95.4019



20.2230, 8.3402, 95.1517



42.0947, 20.3436, 96.3158



17.4362, 17.6011, 22.7283



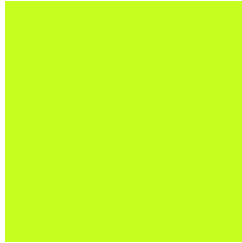
10.6823, 4.4174, 49.7242



1.1358, 0.4795, 4.8460

Previews

White Background



This preview shows how the XYZ color 59.2960, 83.6247, 14.3123 looks on a white background.

Color Contrast Check

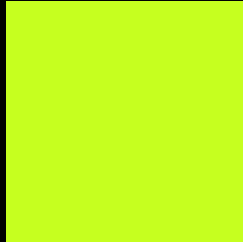
Large Text (above 18pt) WCAG AA × Fail

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 59.2960, 83.6247, 14.3123 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 59.2960, 83.6247, 14.3123

Background



This preview shows how black text looks on a background with the XYZ color 59.2960, 83.6247, 14.3123.

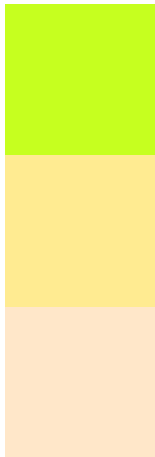


This preview shows how white text looks on a background with the XYZ color 59.2960, 83.6247,

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

59.2960, 83.6247, 14.3123

Protanopia

76.0592, 82.7210, 38.7461

Deuteranopia

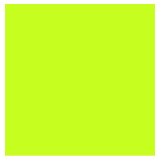
80.3585, 82.6289, 66.9720



Tritanopia

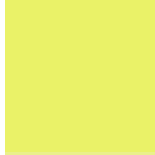
78.1530, 83.1605, 106.5402

Trichromacy



Original Color

59.2960, 83.6247, 14.3123



Protanomaly

68.1825, 81.9962, 25.3299



Deuteranomaly

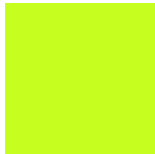
69.7520, 81.6767, 36.5150



Tritanomaly

67.4312, 81.9035, 52.2994

Monochromacy



Original Color

59.2960, 83.6247, 14.3123



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

58.6638, 70.8275, 37.7733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.2960, 83.6247, 14.3123 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(198, 255, 31)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 31)  
}
```

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(198, 255, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 31) }
```

Border

The CSS property to change the border of an element to XYZ 59.2960, 83.6247, 14.3123 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(198, 255, 31) }
```


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

```
.border{ border-color:rgb(198, 255, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 255, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 31);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 59.2960, 83.6247, 14.3123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 31) }
```

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

```
.background{ background-color: rgb(198,  
255, 31) }
```

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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