

Converting Colors

XYZ(58.5520, 83.2377, 14.4304)

Have a look what the booklet for
XYZ(58.5520, 83.2377, 14.4304)
contains.

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Color

**XYZ(58.5402, 83.2319,
14.4188)**

Conversions

Conversions Part 1

Format	Color
Hex	C3FF21
RGB	195, 255, 33
RGB Percent	76%, 100%, 13%
CMY	0.2353, 0.0000, 0.8705
CMYK	0.24, 0.00, 0.87, 0.00
HSL	76°, 100%, 56%
HSV	76°, 87%, 100%
XYZ	58.5402, 83.2319, 14.4188
YIQ	211.7520, 35.5020, -81.7620

Conversions

Conversions Part 2

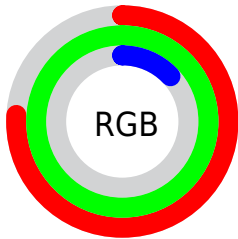
Format	Color
R_{YB}	33, 255, 93
Decimal	12844833
CIE _{Lab}	93.12, -44.92, 86.19
CIE _{LCh}	93, 97.190, 117.526
Yxy	83.2319, 0.3748, 0.5329
Android (android.graphics.Color)	4291034913 (0xFFC3FF21)
YUV	211.7520, -88.1247, -14.6915
Hunter-Lab	91.2315, -45.1177, 54.4915

Details

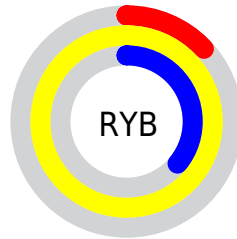
The XYZ color **58.5402, 83.2319, 14.4188** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **23.1101, 10.6366, 95.4428**, and the grayscale version is **62.9656, 66.2447, 72.1405**.

A 20% lighter version of the original color is **79.5498, 93.7999, 27.2771**, and **30.1858, 45.5391, 7.1990** is the 20% darker color. If you saturate the color by 10%, you get **56.5666, 82.2414, 13.1086**, and if you desaturate by 10%, it is **60.8648, 84.3722, 17.1497**.

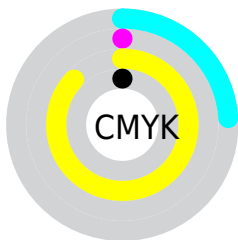
Distribution



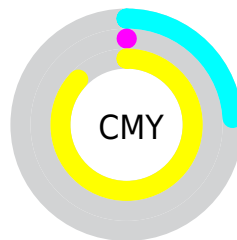
- Red (76%)
- Green (100%)
- Blue (13%)



- Red (13%)
- Yellow (100%)
- Blue (36%)



- Cyan (24%)
- Magenta (0%)
- Yellow (87%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.5402, 83.2319, 14.4188 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 58.5402, 83.2319, 14.4188 by changing the saturation by 10% instead.


 58.5402, 83.2319,
14.4188


 58.5402, 83.2319,
14.4188


409.1173,
505.7591, 231.3392


 42.4880, 62.3815,
8.2705


 101.8276,
137.9002, 34.5581


 29.6764, 45.3410,
4.1782


 129.7934,
172.4869, 49.3861


 19.7399, 31.7261,
1.7236


 162.4613,
212.4211, 67.9443

 12.3133, 21.1524,
0.3768

 200.1965,
258.0872, 90.6515

 7.0311, 13.2354,
0.0000

 243.3643,
309.8697, 117.9260

 3.5281, 7.5909,
0.0000

292.3301,

 1.4388, 3.8343,

368.1529, 150.1864

0.0000

347.4594,
433.3212, 187.8513

■ 0.2836, 1.5813,
0.0000

■ 0.0000, 0.3449,
0.0000

■ 58.5402, 83.2319,
14.4188

■ 58.5402, 83.2319,
14.4188

■ 56.5666, 82.2414,
13.1086

■ 60.8648, 84.3722,
17.1497

■ 56.0281, 81.9686,
12.8685

■ 63.5943, 85.6842,
21.5776

■ 66.7716, 87.1850,
27.9231

■ 70.4331, 88.8893,
36.3725

■ 74.6110, 90.8102,
47.0903

■ 79.3343, 92.9594,
60.2246

■ 84.6299, 95.3476,
75.9108

■ 90.5225, 97.9850,
94.2746

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.



81.2456, 83.2319, 10.2669



58.5402, 83.2319, 14.4188



44.5292, 83.2319, 34.1964

Triad

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



58.5402, 83.2319, 14.4188



55.5909, 83.2319, 268.2616



138.9178, 83.2319, 96.8253

Complementary

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



58.5402, 83.2319, 14.4188



23.1101, 10.6366, 95.4428

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.



128.1152, 83.2319, 188.8904



58.5402, 83.2319, 14.4188



77.0110, 83.2319, 315.8337

Square

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



58.5402, 83.2319, 14.4188



43.1013, 83.2319, 172.2663



104.0076, 83.2319, 280.9577



131.0573, 83.2319, 39.9791

Rectangle

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



58.5402, 83.2319, 14.4188



40.2364, 83.2319, 63.5465



104.0076, 83.2319, 280.9577



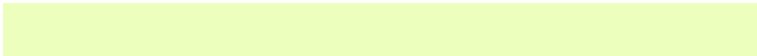
137.3055, 83.2319, 124.4752

Sweetspot

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



58.5403, 83.2319, 14.4200



79.8644, 93.1993, 61.7535



45.3602, 29.0609, 4.6585



16.7260, 19.7816, 12.1638



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.



58.5403, 83.2319, 14.4200



56.0281, 81.9686, 12.8685



39.7640, 73.5524, 13.5412



19.0542, 20.8294, 19.1605



29.4260, 42.9078, 6.7311



2.9696, 4.2316, 0.6603

Inverse Universe

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



23.1101, 10.6366, 95.4428



20.4989, 8.4824, 95.1646



43.2784, 21.0337, 96.3866



17.4636, 17.6152, 22.7296



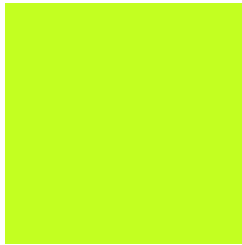
10.8320, 4.4946, 49.7312



1.1536, 0.4886, 4.8468

Previews

White Background



This preview shows how the XYZ color 58.5402, 83.2319, 14.4188 looks on a white background.

Color Contrast Check

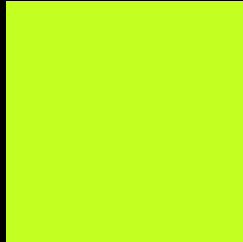
Large Text (above 18pt) WCAG AA × Fail

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 58.5402, 83.2319, 14.4188 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 58.5402, 83.2319, 14.4188

Background



This preview shows how black text looks on a background with the XYZ color 58.5402, 83.2319, 14.4188.

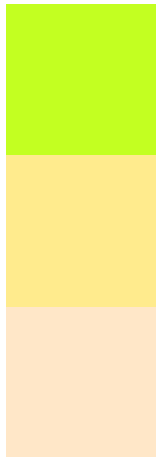


This preview shows how white text looks on a background with the XYZ color 58.5402, 83.2319,

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

58.5402, 83.2319, 14.4188

Protanopia

75.7560, 82.5997, 37.1499

Deuteranopia

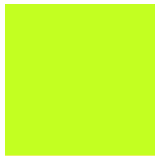
80.2412, 82.5820, 66.3543



Tritanopia

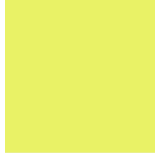
77.2476, 82.6938, 106.4979

Trichromacy



Original Color

58.5402, 83.2319, 14.4188



Protanomaly

67.7547, 81.7872, 24.7858



Deuteranomaly

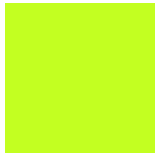
69.4246, 81.5079, 36.4996



Tritanomaly

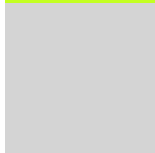
66.5690, 81.4590, 52.2590

Monochromacy



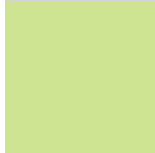
Original Color

58.5402, 83.2319, 14.4188



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

58.4635, 70.7152, 38.1718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.5402, 83.2319, 14.4188 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, 33)` looks like.

```
.text, #text, p{  
    color:rgb(195, 255, 33)  
}
```

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, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 255, 33) }
```

Border

The CSS property to change the border of an element to XYZ 58.5402, 83.2319, 14.4188 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, 33) }
```


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

```
.border{ border-color:rgb(195, 255, 33) }
```

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, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 255, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 255, 33);  
box-shadow:4px 4px 4px 4px rgb(195, 255,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5402, 83.2319, 14.4188 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, 33) }
```

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

```
.background{ background-color: rgb(195,  
255, 33) }
```

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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