

Converting Colors

XYZ(58.6791, 83.2662, 16.1112)

Have a look what the booklet for
XYZ(58.6791, 83.2662, 16.1112)
contains.

XYZ(58.6057, 83.2284, 16.1078)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(58.6057, 83.2284,
16.1078)**

Conversions

Conversions Part 1

Format	Color
Hex	C2FF33
RGB	194, 255, 51
RGB Percent	76%, 100%, 20%
CMY	0.2392, 0.0000, 0.8000
CMYK	0.24, 0.00, 0.80, 0.00
HSL	78°, 100%, 60%
HSV	78°, 80%, 100%
XYZ	58.6057, 83.2284, 16.1078
YIQ	213.5050, 29.1280, -76.3760

Conversions

Conversions Part 2

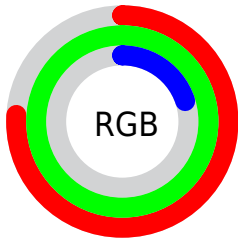
Format	Color
RYB	51, 255, 112
Decimal	12779315
CIELab	93.11, -44.75, 82.35
CIElCh	93, 93.725, 118.520
Yxy	83.2284, 0.3711, 0.5270
Android (android.graphics.Color)	4290969395 (0xFFC2FF33)
YUV	213.5050, -80.1150, -17.1059
Hunter-Lab	91.2296, -44.9838, 53.3923

Details

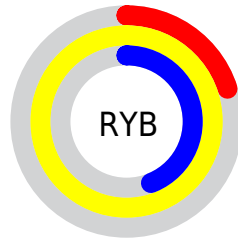
The XYZ color **58.6057, 83.2284, 16.1078** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **25.9177, 13.0340, 95.7575**, and the grayscale version is **64.0914, 67.4291, 73.4303**.

A 20% lighter version of the original color is **80.0945, 94.0178, 30.1455**, and **30.1858, 45.5391, 7.1990** is the 20% darker color. If you saturate the color by 10%, you get **56.2817, 82.0784, 13.8252**, and if you desaturate by 10%, it is **61.3380, 84.5532, 20.0183**.

Distribution



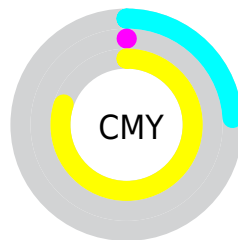
- Red (76%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (44%)



- Cyan (24%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.6057, 83.2284, 16.1078 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 58.6057, 83.2284, 16.1078 by changing the saturation by 10% instead.


 58.6057, 83.2284,
16.1078

 58.6057, 83.2284,
16.1078


409.3567,
505.7474, 241.8444


 42.5409, 62.3786,
9.4453


 101.9223,
137.8953, 37.5546


 29.7181, 45.3387,
4.9320


 129.9048,
172.4812, 53.1761


 19.7717, 31.7243,
2.1494

 162.5906,
212.4146, 72.6208

 12.3365, 21.1510,
0.6449

 200.3451,
258.0798, 96.3075

 7.0471, 13.2344,
0.0000

 243.5336,
309.8613, 124.6547

 3.5382, 7.5902,
0.0000

292.5215,

 1.4443, 3.8338,

368.1435, 158.0809

0.0000

347.6741,
433.3107, 197.0046

■ 0.2875, 1.5811,
0.0000

■ 0.0000, 0.3448,
0.0000

■ 58.6057, 83.2284,
16.1078

■ 58.6057, 83.2284,
16.1078

■ 56.2817, 82.0784,
13.8252

■ 61.3380, 84.5532,
20.0183

■ 54.2924, 81.0738,
12.7876

■ 64.5241, 86.0714,
25.7856

■ 54.2916, 81.0734,
12.7873

■ 68.2024, 87.7983,
33.6055

■ 72.4066, 89.7477,
43.6481

■ 77.1670, 91.9319,
56.0659

■ 82.5113, 94.3620,
70.9979

■ 88.4652, 97.0485,
88.5722

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.



80.3337, 83.2284, 11.4618



58.6057, 83.2284, 16.1078



45.2399, 83.2284, 36.6983

Triad

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



58.6057, 83.2284, 16.1078



56.8907, 83.2284, 262.1584



136.4268, 83.2284, 94.1646

Complementary

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



58.6057, 83.2284, 16.1078



25.9177, 13.0340, 95.7575

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.



126.6814, 83.2284, 181.3459



58.6057, 83.2284, 16.1078



77.8910, 83.2284, 304.6468

Square

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



58.6057, 83.2284, 16.1078



44.4036, 83.2284, 171.8944



103.9036, 83.2284, 269.3242



128.3605, 83.2284, 40.1154

Rectangle

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



58.6057, 83.2284, 16.1078



41.2214, 83.2284, 66.2498



103.9036, 83.2284, 269.3242



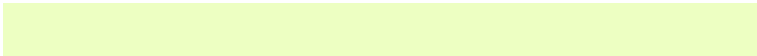
135.0932, 83.2284, 120.3390

Sweetspot

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



58.6057, 83.2284, 16.1089



80.2998, 93.3588, 64.7091



47.2858, 32.3953, 6.8938



16.7835, 19.7988, 12.7274



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.



58.6057, 83.2284, 16.1089



55.0591, 81.4626, 13.1148



41.0987, 74.2031, 15.2896



19.0013, 20.8021, 19.1581



28.5263, 42.4439, 6.6890



2.8878, 4.1895, 0.6564

Inverse Universe

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



25.9177, 13.0340, 95.7575



21.7638, 9.2989, 95.2555



46.0416, 23.4082, 96.6993



17.5136, 17.6410, 22.7319



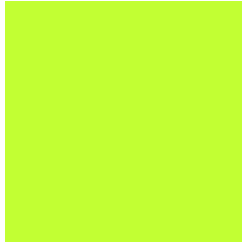
11.1298, 4.6481, 49.7452



1.1881, 0.5064, 4.8484

Previews

White Background



This preview shows how the XYZ color 58.6057, 83.2284, 16.1078 looks on a white background.

Color Contrast Check

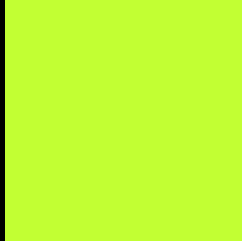
Large Text (above 18pt) WCAG AA × Fail

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 58.6057, 83.2284, 16.1078 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 58.6057, 83.2284, 16.1078

Background



This preview shows how black text looks on a background with the XYZ color 58.6057, 83.2284, 16.1078.

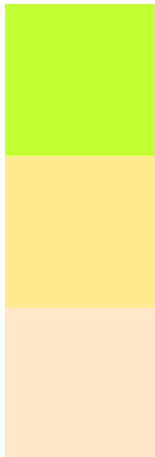


This preview shows how white text looks on a background with the XYZ color 58.6057, 83.2284,

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

58.6057, 83.2284, 16.1078

Protanopia

75.8308, 82.6297, 37.5436

Deuteranopia

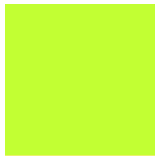
80.2412, 82.5820, 66.3543



Tritanopia

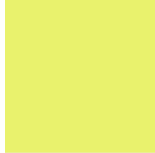
76.9495, 82.5401, 106.4839

Trichromacy



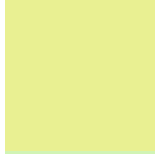
Original Color

58.6057, 83.2284, 16.1078



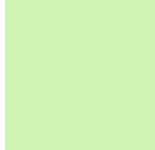
Protanomaly

68.1167, 81.9320, 26.6923



Deuteranomaly

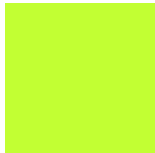
69.9527, 81.7191, 39.2806



Tritanomaly

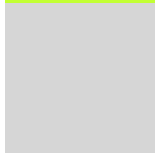
66.9857, 81.5929, 55.9345

Monochromacy



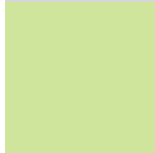
Original Color

58.6057, 83.2284, 16.1078



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

59.6678, 71.6706, 41.6993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.6057, 83.2284, 16.1078 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(194, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(194, 255, 51)  
}
```

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(194, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 58.6057, 83.2284, 16.1078 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(194, 255, 51) }
```


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

```
.border{ border-color:rgb(194, 255, 51) }
```

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

Here you see how a box with a 4 pixel rgb(194, 255, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(194, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 58.6057, 83.2284, 16.1078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 255, 51) }
```

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

```
.background{ background-color: rgb(194,  
255, 51) }
```

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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