

Converting Colors

XYZ(57.6720, 82.7470, 16.0641)

Have a look what the booklet for
XYZ(57.6720, 82.7470, 16.0641)
contains.

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Color

**XYZ(57.5927, 82.7062,
16.0604)**

Conversions

Conversions Part 1

Format	Color
Hex	BEFF33
RGB	190, 255, 51
RGB Percent	75%, 100%, 20%
CMY	0.2549, 0.0000, 0.8000
CMYK	0.25, 0.00, 0.80, 0.00
HSL	79°, 100%, 60%
HSV	79°, 80%, 100%
XYZ	57.5927, 82.7062, 16.0604
YIQ	212.3090, 26.7440, -77.2240

Conversions

Conversions Part 2

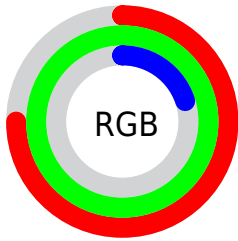
Format	Color
RYB	51, 255, 116
Decimal	12517171
CIELab	92.89, -46.23, 82.06
CIELCh	93, 94.188, 119.396
Yxy	82.7062, 0.3683, 0.5289
Android (android.graphics.Color)	4290707251 (0xFFBEFF33)
YUV	212.3090, -79.5253, -19.5650
Hunter-Lab	90.9429, -46.1090, 53.1895

Details

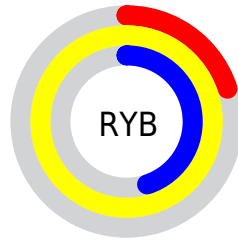
The XYZ color **57.5927, 82.7062, 16.0604** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **26.4382, 13.3023, 95.7819**, and the grayscale version is **63.2857, 66.5815, 72.5073**.

A 20% lighter version of the original color is **78.2789, 93.0818, 30.0605**, and **29.5542, 45.2135, 7.1694** is the 20% darker color. If you saturate the color by 10%, you get **55.2026, 81.5221, 13.7747**, and if you desaturate by 10%, it is **60.4039, 84.0716, 19.9746**.

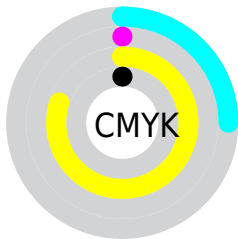
Distribution



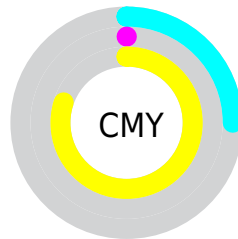
- Red (75%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (45%)



- Cyan (25%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.5927, 82.7062, 16.0604 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 57.5927, 82.7062, 16.0604 by changing the saturation by 10% instead.


 57.5927, 82.7062,
16.0604


 57.5927, 82.7062,
16.0604


405.6449,
504.0068, 241.5557

 41.7233, 61.9478,
9.4121


 100.4559,
137.1639, 37.4713

 29.0748, 44.9905,
4.9105


 128.1803,
171.6320, 53.0709


 19.2820, 31.4500,
2.1370


 160.5872,
211.4388, 72.4914

 11.9794, 20.9417,
0.6377

 198.0418,
256.9686, 96.1513

 6.8018, 13.0814,
0.0000

 240.9095,
308.6060, 124.4692

 3.3837, 7.4846,
0.0000

289.5557,

 1.3598, 3.7670,

366.7352, 157.8635

0.0000

344.3457,
431.7407, 196.7528

■ 0.2273, 1.5441,
0.0000

■ 0.0000, 0.3195,
0.0000

■ 57.5927, 82.7062,
16.0604

■ 57.5927, 82.7062,
16.0604

■ 55.2026, 81.5221,
13.7747

■ 60.4039, 84.0716,
19.9746

■ 53.1595, 80.4898,
12.7346

■ 63.6819, 85.6371,
25.7462

■ 53.1588, 80.4894,
12.7342

■ 67.4654, 87.4184,
33.5710

■ 71.7885, 89.4291,
43.6192

■ 76.6818, 91.6817,
56.0432

■ 82.1733, 94.1877,
70.9820

■ 88.2888, 96.9576,
88.5640

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.



79.1098, 82.7062, 11.1433



57.5927, 82.7062, 16.0604



44.5059, 82.7062, 37.1730

Triad

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



57.5927, 82.7062, 16.0604



56.8932, 82.7062, 264.3435



136.0665, 82.7062, 91.4896

Complementary

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



57.5927, 82.7062, 16.0604



26.4382, 13.3023, 95.7819

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.



126.7859, 82.7062, 178.1837



57.5927, 82.7062, 16.0604



78.1118, 82.7062, 304.9533

Square

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



57.5927, 82.7062, 16.0604



44.1653, 82.7062, 174.3111



104.2034, 82.7062, 267.2840



127.4734, 82.7062, 38.5622

Rectangle

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



57.5927, 82.7062, 16.0604



40.6636, 82.7062, 67.3424



104.2034, 82.7062, 267.2840



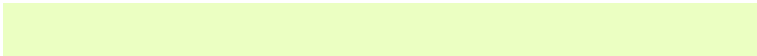
134.9084, 82.7062, 117.3693

Sweetspot

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



57.5927, 82.7061, 16.0615



79.9010, 93.1532, 64.6904



48.0379, 33.8994, 7.1445



16.6870, 19.7491, 12.7229



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.



57.5927, 82.7061, 16.0615



53.9462, 80.8889, 13.0628



40.4210, 73.8538, 15.2579



18.9653, 20.7836, 19.1564



27.9387, 42.1410, 6.6615



2.8340, 4.1617, 0.6539

Inverse Universe

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



26.4382, 13.3023, 95.7819



22.2046, 9.5261, 95.2762



48.0288, 24.4326, 96.7923



17.5478, 17.6586, 22.7335



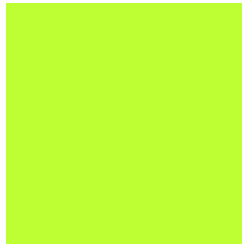
11.3524, 4.7628, 49.7556



1.2132, 0.5194, 4.8496

Previews

White Background



This preview shows how the XYZ color 57.5927, 82.7062, 16.0604 looks on a white background.

Color Contrast Check

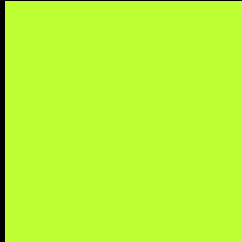
Large Text (above 18pt) WCAG AA × Fail

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 57.5927, 82.7062, 16.0604 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 57.5927, 82.7062, 16.0604

Background



This preview shows how black text looks on a background with the XYZ color 57.5927, 82.7062, 16.0604.

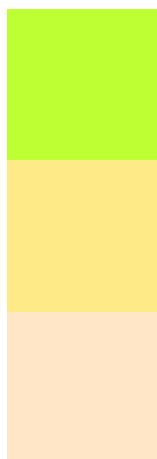


This preview shows how white text looks on a background with the XYZ color 57.5927, 82.7062,

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

57.5927, 82.7062, 16.0604

Protanopia

75.1068, 81.8832, 35.1390

Deuteranopia

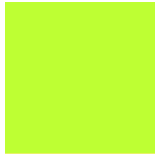
79.7299, 81.9308, 65.0381



Tritanopia

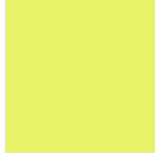
76.0657, 82.0845, 106.4425

Trichromacy



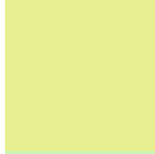
Original Color

57.5927, 82.7062, 16.0604



Protanomaly

67.2569, 81.5131, 25.5534



Deuteranomaly

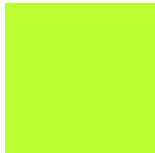
68.9323, 80.7663, 38.7444



Tritanomaly

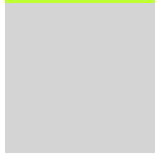
65.8680, 81.0167, 55.8822

Monochromacy



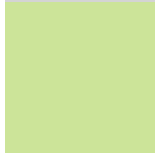
Original Color

57.5927, 82.7062, 16.0604



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

58.3950, 70.6241, 40.6911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.5927, 82.7062, 16.0604 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(190, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(190, 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(190, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 57.5927, 82.7062, 16.0604 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(190, 255, 51) }
```


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

```
.border{ border-color:rgb(190, 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(190, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 57.5927, 82.7062, 16.0604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 255, 51) }
```

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

```
.background{ background-color: rgb(190,  
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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