

Converting Colors

XYZ(55.5682, 81.6482, 16.6106)

Have a look what the booklet for
XYZ(55.5682, 81.6482, 16.6106)
contains.

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Color

**XYZ(55.5299, 81.6293,
16.5707)**

Conversions

Conversions Part 1

Format	Color
Hex	B5FF38
RGB	181, 255, 56
RGB Percent	71%, 100%, 22%
CMY	0.2902, 0.0000, 0.7804
CMYK	0.29, 0.00, 0.78, 0.00
HSL	82°, 100%, 61%
HSV	82°, 78%, 100%
XYZ	55.5299, 81.6293, 16.5707
YIQ	210.1880, 19.7750, -77.5770

Conversions

Conversions Part 2

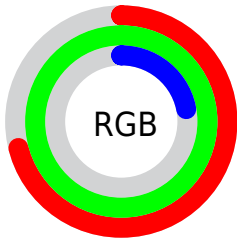
Format	Color
RYB	56, 255, 130
Decimal	11927352
CIELab	92.41, -49.30, 80.14
CIElCh	92, 94.085, 121.599
Yxy	81.6293, 0.3612, 0.5310
Android (android.graphics.Color)	4290117432 (0xFFB5FF38)
YUV	210.1880, -76.0147, -25.5979
Hunter-Lab	90.3489, -48.4017, 52.3700

Details

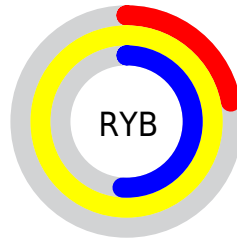
The XYZ color **55.5299, 81.6293, 16.5707** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **28.6720, 14.7958, 95.9524**, and the grayscale version is **61.8573, 65.0787, 70.8707**.

A 20% lighter version of the original color is **75.3654, 91.5527, 31.1520**, and **28.2201, 44.5257, 7.1070** is the 20% darker color. If you saturate the color by 10%, you get **52.9083, 80.3324, 13.9798**, and if you desaturate by 10%, it is **58.6203, 83.1311, 20.8414**.

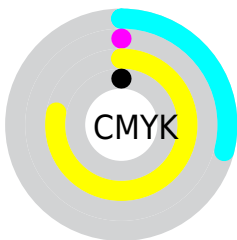
Distribution



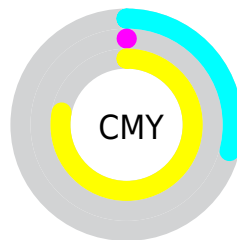
- Red (71%)
- Green (100%)
- Blue (22%)



- Red (22%)
- Yellow (100%)
- Blue (51%)



- Cyan (29%)
- Magenta (0%)
- Yellow (78%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.5299, 81.6293, 16.5707 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 55.5299, 81.6293, 16.5707 by changing the saturation by 10% instead.


 55.5299, 81.6293,
16.5707

 55.5299, 81.6293,
16.5707


398.0213,
500.4069, 244.6458

 40.0617, 61.0600,
9.7702


 97.4607, 135.6540,
38.3667


 27.7710, 44.2736,
5.1432


 124.6540,
169.8783, 54.1992


 18.2927, 30.8857,
2.2713


 156.4863,
209.4230, 73.8794

 11.2613, 20.5118,
0.7151

 193.3231,
254.6725, 97.8260

 6.3115, 12.7676,
0.0000

 235.5296,
306.0112, 126.4573

 3.0778, 7.2687,
0.0000

283.4712,

 1.1951, 3.6307,

363.8236, 160.1921

0.0000

337.5133,
428.4940, 199.4487

0.1025, 1.4692,
0.0000

0.0000, 0.2669,
0.0000

55.5299, 81.6293,
16.5707

55.5299, 81.6293,
16.5707

52.9083, 80.3324,
13.9798

58.6203, 83.1311,
20.8414

50.6946, 79.2159,
12.7622

62.2245, 84.8563,
27.0118

50.2914, 79.0112,
12.6001

66.3813, 86.8207,
35.2723

71.1251, 89.0383,
45.7893

■ 76.4868, 91.5219,
58.7123

■ 82.4951, 94.2832,
74.1781

■ 89.1765, 97.3331,
92.3131

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.



76.2855, 81.6293, 10.9007



55.5299, 81.6293, 16.5707



43.2325, 81.6293, 39.1068

Triad

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



55.5299, 81.6293, 16.5707



57.3625, 81.6293, 266.9327



134.4932, 81.6293, 85.1867

Complementary

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



55.5299, 81.6293, 16.5707



28.6720, 14.7958, 95.9524

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.



126.5423, 81.6293, 169.2211



55.5299, 81.6293, 16.5707



78.9016, 81.6293, 301.8718

Square

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



55.5299, 81.6293, 16.5707



44.1243, 81.6293, 179.3855



104.8237, 81.6293, 259.2104



124.7385, 81.6293, 35.4720

Rectangle

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



55.5299, 81.6293, 16.5707



39.8460, 81.6293, 70.6790



104.8237, 81.6293, 259.2104



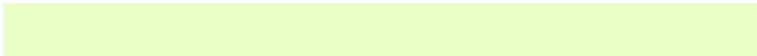
133.7952, 81.6293, 109.9657

Sweetspot

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



55.5300, 81.6293, 16.5719



79.4298, 92.8770, 66.1743



49.8007, 37.2389, 8.3056



16.5457, 19.6699, 13.0040



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.



55.5300, 81.6293, 16.5719



51.5451, 79.6473, 13.1200



40.0010, 73.6238, 15.8451



18.8681, 20.7334, 19.1518



26.4489, 41.3730, 6.5918



2.6961, 4.0906, 0.6475

Inverse Universe

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



28.6720, 14.7958, 95.9524



23.9851, 10.5396, 95.3779



51.6082, 26.6198, 97.0258



17.6411, 17.7067, 22.7379



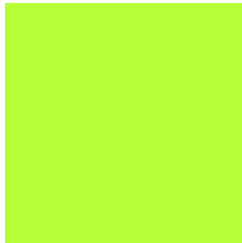
12.0390, 5.1168, 49.7877



1.2881, 0.5579, 4.8531

Previews

White Background



This preview shows how the XYZ color 55.5299, 81.6293, 16.5707 looks on a white background.

Color Contrast Check

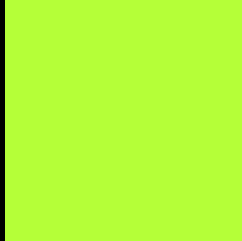
Large Text (above 18pt) WCAG AA × Fail

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 55.5299, 81.6293, 16.5707 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 55.5299, 81.6293, 16.5707

Background



This preview shows how black text looks on a background with the XYZ color 55.5299, 81.6293, 16.5707.

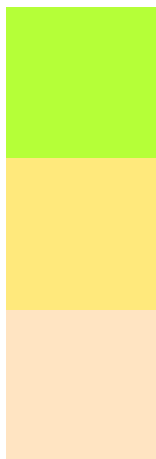


This preview shows how white text looks on a background with the XYZ color 55.5299, 81.6293,

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

55.5299, 81.6293, 16.5707

Protanopia

74.0170, 80.9931, 30.8009

Deuteranopia

78.7210, 80.6418, 62.4553



Tritanopia

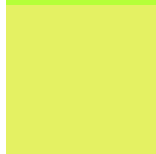
73.7878, 80.9102, 106.3359

Trichromacy



Original Color

55.5299, 81.6293, 16.5707



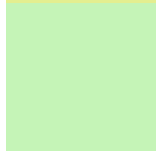
Protanomaly

65.7023, 80.3054, 23.8420



Deuteranomaly

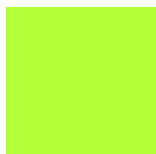
67.6035, 79.6567, 38.1977



Tritanomaly

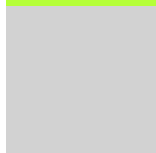
63.9239, 79.9906, 56.8703

Monochromacy



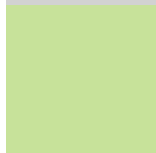
Original Color

55.5299, 81.6293, 16.5707



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

56.5823, 68.8679, 40.8825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.5299, 81.6293, 16.5707 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(181, 255, 56)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 56)  
}
```

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(181, 255, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 56) }
```

Border

The CSS property to change the border of an element to XYZ 55.5299, 81.6293, 16.5707 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(181, 255, 56) }
```


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

```
.border{ border-color:rgb(181, 255, 56) }
```

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

Here you see how a box with a 4 pixel rgb(181, 255, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 56);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 55.5299, 81.6293, 16.5707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 56) }
```

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

```
.background{ background-color: rgb(181,  
255, 56) }
```

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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