

Converting Colors

XYZ(55.0616, 81.4295, 14.6704)

Have a look what the booklet for
XYZ(55.0616, 81.4295, 14.6704)
contains.

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Color

**XYZ(55.1659, 81.4837,
14.6541)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | B5FF26 |
| RGB | 181, 255, 38 |
| RGB Percent | 71%, 100%, 15% |
| CMY | 0.2902, 0.0000, 0.8509 |
| CMYK | 0.29, 0.00, 0.85, 0.00 |
| HSL | 80°, 100%, 57% |
| HSV | 80°, 85%, 100% |
| XYZ | 55.1659, 81.4837, 14.6541 |
| YIQ | 208.1360, 25.5530, -83.1750 |

Conversions

Conversions Part 2

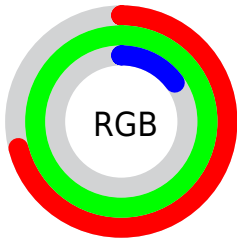
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 38, 255, 112 |
| Decimal | 11927334 |
| CIELab | 92.35, -49.94, 84.31 |
| CIELCh | 92, 97.989, 120.638 |
| Yxy | 81.4837, 0.3646, 0.5385 |
| Android (android.graphics.Color) | 4290117414 (0xFFB5FF26) |
| YUV | 208.1360, -83.8770, -23.7983 |
| Hunter-Lab | 90.2683, -48.8824, 53.5627 |

Details

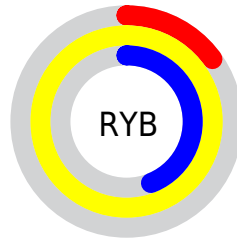
The XYZ color **55.1659, 81.4837, 14.6541** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **25.4274, 12.0528, 95.5940**, and the grayscale version is **60.5588, 63.7126, 69.3830**.

A 20% lighter version of the original color is **75.0318, 91.4588, 27.6086**, and **28.0792, 44.4531, 7.1004** is the 20% darker color. If you saturate the color by 10%, you get **52.9094, 80.3528, 13.0856**, and if you desaturate by 10%, it is **57.8309, 82.7927, 17.7108**.

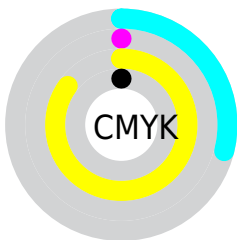
Distribution



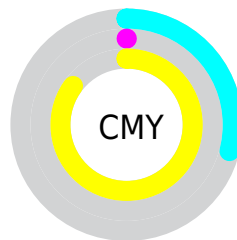
- Red (71%)
- Green (100%)
- Blue (15%)



- Red (15%)
- Yellow (100%)
- Blue (44%)



- Cyan (29%)
- Magenta (0%)
- Yellow (85%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.1659, 81.4837, 14.6541 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 55.1659, 81.4837, 14.6541 by changing the saturation by 10% instead.


 55.1659, 81.4837,
14.6541

 55.1659, 81.4837,
14.6541


396.6667,
499.9190, 232.8311


 39.7689, 60.9401,
8.4331


 96.9309, 135.4497,
34.9789


 27.5418, 44.1768,
4.2816


 124.0296,
169.6409, 49.9197


 18.1193, 30.8095,
1.7810


 155.7596,
209.1501, 68.6043

 11.1359, 20.4538,
0.4154

 192.4863,
254.3616, 91.4510

 6.2263, 12.7254,
0.0000

 234.5750,
305.6598, 118.8785

 3.0251, 7.2397,
0.0000

282.3911,

 1.1671, 3.6125,

363.4292, 151.3054

0.0000

336.2998,
428.0542, 189.1501

0.0801, 1.4592,
0.0000

0.0000, 0.2598,
0.0000

55.1659, 81.4837,
14.6541

55.1659, 81.4837,
14.6541

52.9094, 80.3528,
13.0856

57.8309, 82.7927,
17.7108

51.9160, 79.8487,
12.6761

60.9560, 84.3006,
22.5131

64.5835, 86.0248,
29.2738

68.7501, 87.9801,
38.1745

■ 73.4884, 90.1797,
49.3761

■ 78.8279, 92.6358,
63.0239

■ 84.7961, 95.3595,
79.2514

■ 91.4184, 98.3613,
98.1824

■ 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.



76.9066, 81.4837, 9.5371



55.1659, 81.4837, 14.6541



42.2558, 81.4837, 36.3609

Triad

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



55.1659, 81.4837, 14.6541



55.9187, 81.4837, 274.5115



137.1387, 81.4837, 87.1774

Complementary

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



55.1659, 81.4837, 14.6541



25.4274, 12.0528, 95.5940

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.



128.1792, 81.4837, 176.2995



55.1659, 81.4837, 14.6541



77.9915, 81.4837, 314.3642

Square

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



55.1659, 81.4837, 14.6541



42.6190, 81.4837, 180.5868



105.0426, 81.4837, 271.2260



127.4217, 81.4837, 34.8964

Rectangle

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



55.1659, 81.4837, 14.6541



38.6175, 81.4837, 67.8918



105.0426, 81.4837, 271.2260



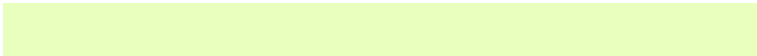
136.1948, 81.4837, 113.4284

Sweetspot

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



55.1660, 81.4837, 14.6552



78.3180, 92.4021, 61.6811



47.2030, 32.6259, 5.6444



16.3566, 19.5912, 12.1465



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.



55.1660, 81.4837, 14.6552



51.9160, 79.8487, 12.6761



38.9478, 73.1229, 13.8963



18.9244, 20.7624, 19.1545



27.2935, 41.8084, 6.6313



2.7745, 4.1311, 0.6511

Inverse Universe

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



25.4274, 12.0528, 95.5940



21.9772, 9.2445, 95.2338



47.9075, 23.6417, 96.6460



17.5869, 17.6788, 22.7354



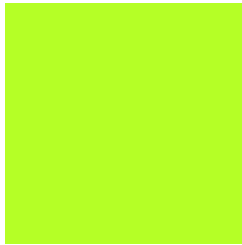
11.6263, 4.9041, 49.7684



1.2435, 0.5350, 4.8510

Previews

White Background



This preview shows how the XYZ color 55.1659, 81.4837, 14.6541 looks on a white background.

Color Contrast Check

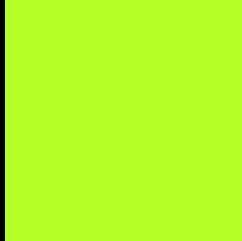
Large Text (above 18pt) WCAG AA × Fail

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 55.1659, 81.4837, 14.6541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

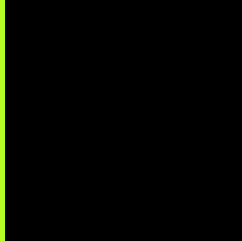
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.1659, 81.4837, 14.6541

Background



This preview shows how black text looks on a background with the XYZ color 55.1659, 81.4837, 14.6541.

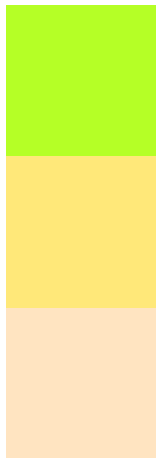


This preview shows how white text looks on a background with the XYZ color 55.1659, 81.4837,

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

55.1659, 81.4837, 14.6541

Protanopia

73.5478, 80.3537, 29.7226

Deuteranopia

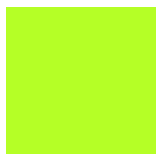
78.6090, 80.5971, 61.8657



Tritanopia

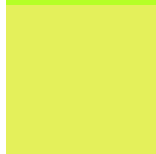
73.7878, 80.9102, 106.3359

Trichromacy



Original Color

55.1659, 81.4837, 14.6541



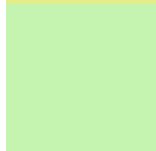
Protanomaly

65.0433, 79.5695, 21.8278



Deuteranomaly

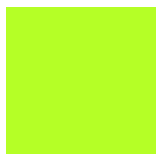
67.0848, 79.4492, 35.4664



Tritanomaly

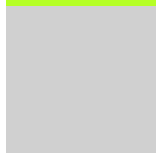
63.2131, 79.7063, 53.1275

Monochromacy



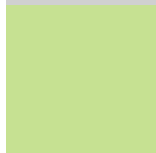
Original Color

55.1659, 81.4837, 14.6541



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

55.4022, 67.9315, 37.3862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.1659, 81.4837, 14.6541 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, 38)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 38)  
}
```

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, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 38) }
```

Border

The CSS property to change the border of an element to XYZ 55.1659, 81.4837, 14.6541 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, 38) }
```


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

```
.border{ border-color:rgb(181, 255, 38) }
```

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, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 38);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 55.1659, 81.4837, 14.6541 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, 38) }
```

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

```
.background{ background-color: rgb(181,  
255, 38) }
```

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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