

Converting Colors

XYZ(55.0067, 81.4101, 14.2646)

Have a look what the booklet for
XYZ(55.0067, 81.4101, 14.2646)
contains.

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Color

**XYZ(55.0906, 81.4536,
14.2574)**

Conversions

Conversions Part 1

Format	Color
Hex	B5FF21
RGB	181, 255, 33
RGB Percent	71%, 100%, 13%
CMY	0.2902, 0.0000, 0.8705
CMYK	0.29, 0.00, 0.87, 0.00
HSL	80°, 100%, 56%
HSV	80°, 87%, 100%
XYZ	55.0906, 81.4536, 14.2574
YIQ	207.5660, 27.1580, -84.7300

Conversions

Conversions Part 2

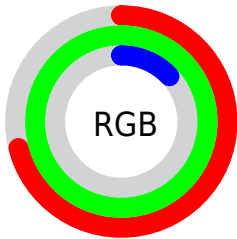
Format	Color
RYB	33, 255, 107
Decimal	11927329
CIELab	92.33, -50.07, 85.22
CIELCh	92, 98.841, 120.435
Yxy	81.4536, 0.3653, 0.5401
Android (android.graphics.Color)	4290117409 (0xFFB5FF21)
YUV	207.5660, -86.0610, -23.2984
Hunter-Lab	90.2516, -48.9820, 53.8099

Details

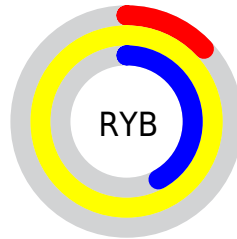
The XYZ color **55.0906, 81.4536, 14.2574** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **24.6597, 11.4354, 95.5153**, and the grayscale version is **60.2011, 63.3362, 68.9731**.

A 20% lighter version of the original color is **74.9278, 91.4172, 27.0608**, and **28.0792, 44.4531, 7.1004** is the 20% darker color. If you saturate the color by 10%, you get **52.9241, 80.3637, 12.9382**, and if you desaturate by 10%, it is **57.6475, 82.7137, 16.9991**.

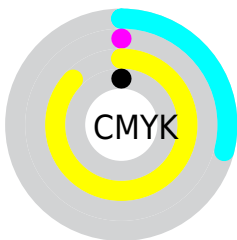
Distribution



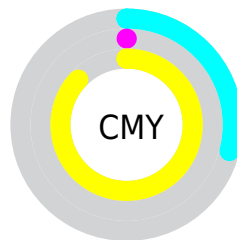
- Red (71%)
- Green (100%)
- Blue (13%)



- Red (13%)
- Yellow (100%)
- Blue (42%)



- Cyan (29%)
- Magenta (0%)
- Yellow (87%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.0906, 81.4536, 14.2574 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 55.0906, 81.4536, 14.2574 by changing the saturation by 10% instead.


 55.0906, 81.4536,
14.2574


 55.0906, 81.4536,
14.2574


396.3861,
499.8182, 230.3101

 39.7084, 60.9153,
8.1591


 96.8212, 135.4075,
34.2687


 27.4945, 44.1568,
4.1077


 123.9004,
169.5918, 49.0189


 18.0834, 30.7938,
1.6846


 155.6092,
209.0936, 67.4900

 11.1099, 20.4419,
0.3502

 192.3131,
254.2973, 90.1007

 6.2087, 12.7166,
0.0000

 234.3773,
305.5871, 117.2696

 3.0142, 7.2337,
0.0000

282.1674,

 1.1613, 3.6087,

363.3477, 149.4151

0.0000

336.0485,
427.9632, 186.9557

■ 0.0755, 1.4572,
0.0000

■ 0.0000, 0.2583,
0.0000

■ 55.0906, 81.4536,
14.2574

■ 55.0906, 81.4536,
14.2574

■ 52.9241, 80.3637,
12.9382

■ 57.6475, 82.7137,
16.9991

■ 52.3361, 80.0653,
12.6957

■ 60.6498, 84.1662,
21.4399

■ 64.1412, 85.8290,
27.8001

■ 68.1592, 87.7171,
36.2663

■ 72.7370, 89.8441,
47.0028

■ 77.9045, 92.2222,
60.1579

■ 83.6892, 94.8627,
75.8671

■ 90.1170, 97.7760,
94.2559

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.



77.0469, 81.4536, 9.2572



55.0906, 81.4536, 14.2574



42.0478, 81.4536, 35.7782

Triad

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



55.0906, 81.4536, 14.2574



55.6070, 81.4536, 276.1690



137.7199, 81.4536, 87.6254

Complementary

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



55.0906, 81.4536, 14.2574



24.6597, 11.4354, 95.5153

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.



128.5361, 81.4536, 177.8789



55.0906, 81.4536, 14.2574



77.7927, 81.4536, 317.1259

Square

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



55.0906, 81.4536, 14.2574



42.2965, 81.4536, 180.8371



105.0882, 81.4536, 273.8978



128.0139, 81.4536, 34.7777

Rectangle

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



55.0906, 81.4536, 14.2574



38.3553, 81.4536, 67.2895



105.0882, 81.4536, 273.8978



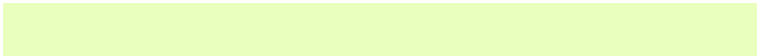
136.7209, 81.4536, 114.2035

Sweetspot

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



55.0907, 81.4536, 14.2585



78.4838, 92.4876, 61.6889



46.7735, 31.8875, 5.1297



16.3962, 19.6116, 12.1483



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.



55.0907, 81.4536, 14.2585



52.3361, 80.0653, 12.6957



38.5615, 72.9325, 13.4850



18.9384, 20.7697, 19.1551



27.5117, 41.9209, 6.6415



2.7947, 4.1415, 0.6521

Inverse Universe

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



24.6597, 11.4354, 95.5153



21.7969, 9.1516, 95.2254



47.5085, 23.2144, 96.5846



17.5735, 17.6719, 22.7347



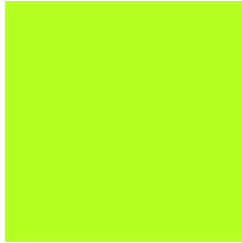
11.5300, 4.8544, 49.7639



1.2329, 0.5295, 4.8505

Previews

White Background



This preview shows how the XYZ color 55.0906, 81.4536, 14.2574 looks on a white background.

Color Contrast Check

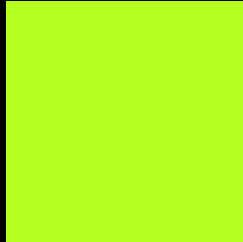
Large Text (above 18pt) WCAG AA × Fail

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 55.0906, 81.4536, 14.2574 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 55.0906, 81.4536, 14.2574

Background



This preview shows how black text looks on a background with the XYZ color 55.0906, 81.4536, 14.2574.

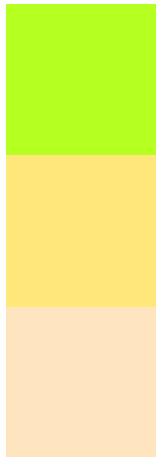


This preview shows how white text looks on a background with the XYZ color 55.0906, 81.4536,

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

55.0906, 81.4536, 14.2574

Protanopia

73.5478, 80.3537, 29.7226

Deuteranopia

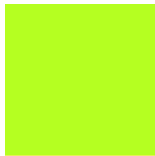
78.4978, 80.5526, 61.2801



Tritanopia

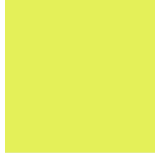
73.7878, 80.9102, 106.3359

Trichromacy



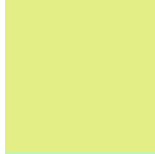
Original Color

55.0906, 81.4536, 14.2574



Protanomaly

64.9582, 79.5354, 21.3794



Deuteranomaly

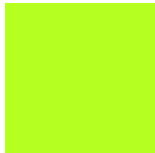
66.8725, 79.3643, 34.3485



Tritanomaly

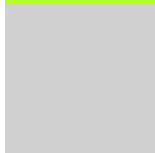
63.0166, 79.6277, 52.0928

Monochromacy



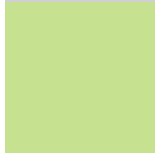
Original Color

55.0906, 81.4536, 14.2574



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

55.2480, 67.8698, 36.5739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.0906, 81.4536, 14.2574 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, 33)` looks like.

```
.text, #text, p{  
    color:rgb(181, 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(181, 255, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 33) }
```

Border

The CSS property to change the border of an element to XYZ 55.0906, 81.4536, 14.2574 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, 33) }
```


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

```
.border{ border-color:rgb(181, 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(181, 255, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 33);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 55.0906, 81.4536, 14.2574 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, 33) }
```

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

```
.background{ background-color: rgb(181,  
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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