

Converting Colors

XYZ(54.2589, 80.9360, 18.2313)

Have a look what the booklet for
XYZ(54.2589, 80.9360, 18.2313)
contains.

XYZ(54.2589, 80.9360, 18.2313)	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(54.2589, 80.9360,
18.2313)**

Conversions

Conversions Part 1

Format	Color
Hex	AEFF44
RGB	174, 255, 68
RGB Percent	68%, 100%, 27%
CMY	0.3176, 0.0000, 0.7333
CMYK	0.32, 0.00, 0.73, 0.00
HSL	86°, 100%, 63%
HSV	86°, 73%, 100%
XYZ	54.2589, 80.9360, 18.2313
YIQ	209.4630, 11.7510, -75.3290

Conversions

Conversions Part 2

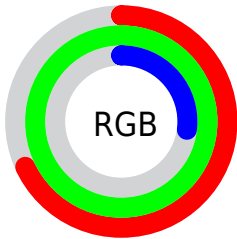
Format	Color
R _{YB}	68, 255, 149
Decimal	11468612
CIE Lab	92.10, -51.19, 76.15
CIE LCh	92, 91.755, 123.907
Yxy	80.9360, 0.3536, 0.5275
Android (android.graphics.Color)	4289658692 (0xFFFAEFF44)
YUV	209.4630, -69.7413, -31.1011
Hunter-Lab	89.9644, -49.7817, 50.9600

Details

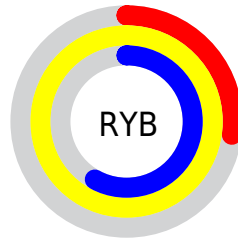
The XYZ color **54.2589, 80.9360, 18.2313** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **32.5134, 17.7454, 96.3193**, and the grayscale version is **61.3435, 64.5382, 70.2821**.

A 20% lighter version of the original color is **73.5880, 90.5709, 34.0255**, and **27.2643, 44.0330, 7.0622** is the 20% darker color. If you saturate the color by 10%, you get **51.2818, 79.4724, 14.8753**, and if you desaturate by 10%, it is **57.7769, 82.6393, 23.3799**.

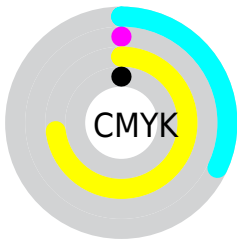
Distribution



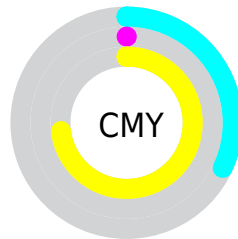
- Red (68%)
- Green (100%)
- Blue (27%)



- Red (27%)
- Yellow (100%)
- Blue (58%)



- Cyan (32%)
- Magenta (0%)
- Yellow (73%)
- Black (0%)





- Cyan (32%)
- Magenta (0%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.2589, 80.9360, 18.2313 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 54.2589, 80.9360, 18.2313 by changing the saturation by 10% instead.


 54.2589, 80.9360,
18.2313


 54.2589, 80.9360,
18.2313


393.2788,
498.0816, 254.4513

 39.0402, 60.4889,
10.9450


 95.6089, 134.6809,
41.2503


 26.9719, 43.8128,
5.9162


 122.4710,
168.7475, 57.8201


 17.6886, 30.5234,
2.7262


 153.9448,
208.1227, 78.3215

 10.8250, 20.2362,
0.9566

 190.3959,
253.1909, 103.1731

 6.0157, 12.5668,
0.0000

 232.1894,
304.3365, 132.7933

 2.8954, 7.1310,
0.0000

279.6908,

 1.0987, 3.5441,

361.9439, 167.6007

0.0000

333.2655,
426.3975, 208.0138

0.0240, 1.4220,
0.0000

0.0000, 0.2328,
0.0000

54.2589, 80.9360,
18.2313

54.2589, 80.9360,
18.2313

51.2818, 79.4724,
14.8753

57.7769, 82.6393,
23.3799

48.7928, 78.2270,
13.0583

61.8789, 84.6001,
30.5231

47.3562, 77.4981,
12.4627

66.6034, 86.8343,
39.8396

71.9847, 89.3562,
51.4873

■ 78.0541, 92.1789,
65.6094

■ 84.8408, 95.3143,
82.3376

■ 92.3720, 98.7739,
101.7943

■ 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.



73.8718, 80.9360, 11.6116



54.2589, 80.9360, 18.2313



42.9066, 80.9360, 42.3827

Triad

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



54.2589, 80.9360, 18.2313



58.6209, 80.9360, 264.3021



131.7561, 80.9360, 79.5508

Complementary

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



54.2589, 80.9360, 18.2313



32.5134, 17.7454, 96.3193

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.



125.3830, 80.9360, 158.6565



54.2589, 80.9360, 18.2313



80.0658, 80.9360, 292.1851

Square

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



54.2589, 80.9360, 18.2313



45.0393, 80.9360, 182.4933



105.1652, 80.9360, 246.2831



121.1428, 80.9360, 33.6352

Rectangle

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



54.2589, 80.9360, 18.2313



40.0101, 80.9360, 75.0214



105.1652, 80.9360, 246.2831



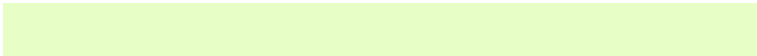
131.5400, 80.9360, 102.6732

Sweetspot

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



54.2590, 80.9360, 18.2325



78.9151, 92.5777, 67.6820



52.5503, 42.2108, 10.8478



16.5183, 19.6427, 13.5930



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.



54.2590, 80.9360, 18.2325



50.0624, 78.8652, 13.8528



40.4232, 73.8034, 17.5850



18.7570, 20.6762, 19.1466



24.9191, 40.5844, 6.5202



2.5516, 4.0162, 0.6407

Inverse Universe

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



32.5134, 17.7454, 96.3193



27.4023, 12.7533, 95.6251



55.8552, 29.7786, 97.4117



17.7494, 17.7625, 22.7430



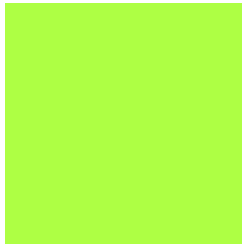
12.9851, 5.6045, 49.8320



1.3867, 0.6088, 4.8577

Previews

White Background



This preview shows how the XYZ color 54.2589, 80.9360, 18.2313 looks on a white background.

Color Contrast Check

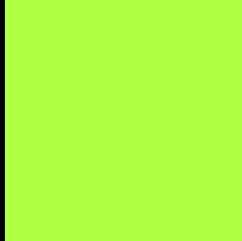
Large Text (above 18pt) WCAG AA × Fail

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 54.2589, 80.9360, 18.2313 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 54.2589, 80.9360, 18.2313

Background



This preview shows how black text looks on a background with the XYZ color 54.2589, 80.9360, 18.2313.

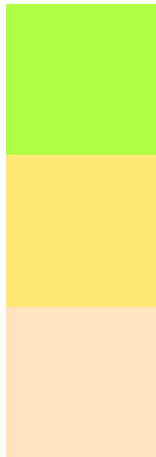


This preview shows how white text looks on a background with the XYZ color 54.2589, 80.9360,

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

54.2589, 80.9360, 18.2313

Protanopia

73.1911, 80.2110, 27.8443

Deuteranopia

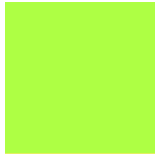
78.1131, 79.9598, 60.6070



Tritanopia

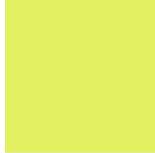
72.4216, 80.2059, 106.2720

Trichromacy



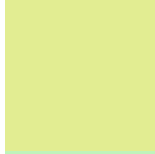
Original Color

54.2589, 80.9360, 18.2313



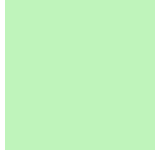
Protanomaly

64.7287, 79.3708, 23.4638



Deuteranomaly

66.8365, 78.8124, 38.8838



Tritanomaly

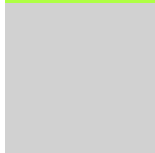
62.8062, 79.3656, 59.0226

Monochromacy



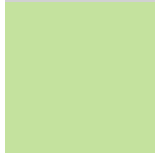
Original Color

54.2589, 80.9360, 18.2313



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

56.1329, 68.5971, 42.6298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.2589, 80.9360, 18.2313 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(174, 255, 68)` looks like.

```
.text, #text, p{  
    color:rgb(174, 255, 68)  
}
```

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(174, 255, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 255, 68) }
```

Border

The CSS property to change the border of an element to XYZ 54.2589, 80.9360, 18.2313 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(174, 255, 68) }
```


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

```
.border{ border-color:rgb(174, 255, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 255, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 255, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 255, 68);  
box-shadow:4px 4px 4px 4px rgb(174, 255,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 54.2589, 80.9360, 18.2313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 255, 68) }
```

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

```
.background{ background-color: rgb(174,  
255, 68) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor