

Converting Colors

XYZ(54.1278, 80.9438, 14.8168)

Have a look what the booklet for
XYZ(54.1278, 80.9438, 14.8168)
contains.

XYZ(54.0475, 80.9033, 14.7748)	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(54.0475, 80.9033,
14.7748)**

Conversions

Conversions Part 1

Format	Color
Hex	B0FF28
RGB	176, 255, 40
RGB Percent	69%, 100%, 16%
CMY	0.3098, 0.0000, 0.8431
CMYK	0.31, 0.00, 0.84, 0.00
HSL	82°, 100%, 58%
HSV	82°, 84%, 100%
XYZ	54.0475, 80.9033, 14.7748
YIQ	206.8690, 21.9310, -83.6130

Conversions

Conversions Part 2

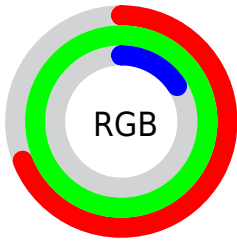
Format	Color
R_{YB}	40, 255, 119
Decimal	11599656
CIE _{Lab}	92.09, -51.66, 83.59
CIE _{LCh}	92, 98.263, 121.719
Yxy	80.9033, 0.3610, 0.5403
Android (android.graphics.Color)	4289789736 (0xFFB0FF28)
YUV	206.8690, -82.2664, -27.0721
Hunter-Lab	89.9463, -50.1477, 53.2233

Details

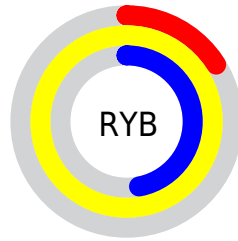
The XYZ color **54.0475, 80.9033, 14.7748** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **26.4189, 12.6614, 95.6592**, and the grayscale version is **59.7277, 62.8382, 68.4308**.

A 20% lighter version of the original color is **73.3918, 90.6072, 27.8081**, and **27.3965, 44.1012, 7.0684** is the 20% darker color. If you saturate the color by 10%, you get **51.7009, 79.7283, 13.0981**, and if you desaturate by 10%, it is **56.8260, 82.2680, 17.9636**.

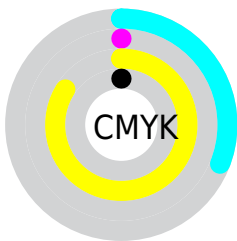
Distribution



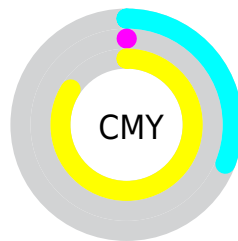
- Red (69%)
- Green (100%)
- Blue (16%)



- Red (16%)
- Yellow (100%)
- Blue (47%)



- Cyan (31%)
- Magenta (0%)
- Yellow (84%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.0475, 80.9033, 14.7748 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 54.0475, 80.9033, 14.7748 by changing the saturation by 10% instead.


 54.0475, 80.9033,
14.7748


 54.0475, 80.9033,
14.7748


392.4865,
497.9718, 233.5927


 38.8705, 60.4620,
8.5166


 95.3005, 134.6350,
35.1943

 26.8392, 43.7911,
4.3348


 122.1071,
168.6941, 50.1928


 17.5885, 30.5063,
1.8107


 153.5210,
208.0613, 68.9417

 10.7528, 20.2232,
0.4350

 189.9075,
253.1209, 91.8596

 5.9670, 12.5574,
0.0000

 231.6319,
304.2574, 119.3652

 2.8655, 7.1245,
0.0000

279.0597,

 1.0830, 3.5401,

361.8551, 151.8769

0.0000

332.5561,
426.2985, 189.8132

0.0108, 1.4198,
0.0000

0.0000, 0.2312,
0.0000

54.0475, 80.9033,
14.7748

54.0475, 80.9033,
14.7748

51.7009, 79.7283,
13.0981

56.8260, 82.2680,
17.9636

50.5177, 79.1279,
12.6106

60.0875, 83.8431,
22.9169

63.8745, 85.6459,
29.8447

68.2238, 87.6916,
38.9267

■ 73.1683, 89.9934,
50.3225

■ 78.7379, 92.5638,
64.1764

■ 84.9603, 95.4140,
80.6211

■ 91.8613, 98.5547,
99.7797

■ 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.



75.4457, 80.9033, 9.3199



54.0475, 80.9033, 14.7748



41.5148, 80.9033, 37.1899

Triad

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



54.0475, 80.9033, 14.7748



56.0708, 80.9033, 276.5977



136.5015, 80.9033, 83.9754

Complementary

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



54.0475, 80.9033, 14.7748



26.4189, 12.6614, 95.6592

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.



128.1938, 80.9033, 171.9759



54.0475, 80.9033, 14.7748



78.3651, 80.9033, 313.6710

Square

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



54.0475, 80.9033, 14.7748



42.4901, 80.9033, 183.5358



105.4179, 80.9033, 267.7303



126.1525, 80.9033, 33.2621

Rectangle

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



54.0475, 80.9033, 14.7748



38.0988, 80.9033, 69.5066



105.4179, 80.9033, 267.7303



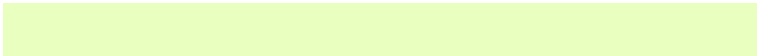
135.7912, 80.9033, 109.7214

Sweetspot

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



54.0476, 80.9033, 14.7760



78.3321, 92.3772, 63.1366



48.2012, 34.5693, 6.1407



16.3352, 19.5740, 12.4235



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.



54.0476, 80.9033, 14.7760



50.5177, 79.1279, 12.6106



38.5747, 72.9268, 14.0518



18.8762, 20.7376, 19.1522



26.5666, 41.4337, 6.5973



2.7070, 4.0963, 0.6480

Inverse Universe

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



26.4189, 12.6614, 95.6592



22.6358, 9.5841, 95.2646



50.2785, 24.9614, 96.7758



17.6333, 17.7027, 22.7375



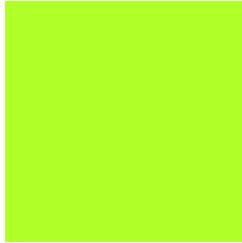
11.9774, 5.0851, 49.7848



1.2815, 0.5546, 4.8528

Previews

White Background



This preview shows how the XYZ color 54.0475, 80.9033, 14.7748 looks on a white background.

Color Contrast Check

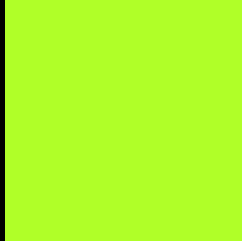
Large Text (above 18pt) WCAG AA × Fail

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 54.0475, 80.9033, 14.7748 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 54.0475, 80.9033, 14.7748

Background



This preview shows how black text looks on a background with the XYZ color 54.0475, 80.9033, 14.7748.

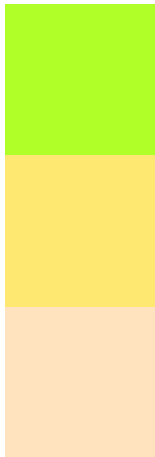


This preview shows how white text looks on a background with the XYZ color 54.0475, 80.9033,

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

54.0475, 80.9033, 14.7748

Protanopia

73.1339, 80.1881, 27.5429

Deuteranopia

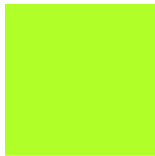
78.0033, 79.9159, 60.0293



Tritanopia

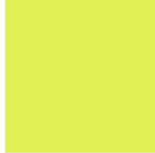
72.6913, 80.3449, 106.2846

Trichromacy



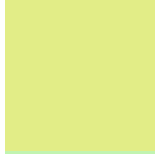
Original Color

54.0475, 80.9033, 14.7748



Protanomaly

64.2444, 79.1770, 20.9135



Deuteranomaly

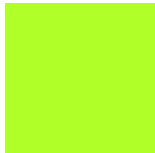
66.0214, 78.4864, 34.5914



Tritanomaly

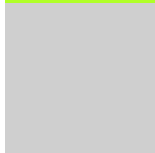
62.2788, 79.2131, 53.6022

Monochromacy



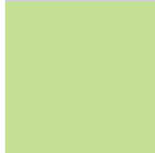
Original Color

54.0475, 80.9033, 14.7748



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

54.6089, 67.1224, 37.2719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.0475, 80.9033, 14.7748 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(176, 255, 40)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 40)  
}
```

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(176, 255, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 40) }
```

Border

The CSS property to change the border of an element to XYZ 54.0475, 80.9033, 14.7748 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(176, 255, 40) }
```


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

```
.border{ border-color:rgb(176, 255, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 255, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 255, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 255, 40);  
box-shadow:4px 4px 4px 4px rgb(176, 255,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 54.0475, 80.9033, 14.7748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 40) }
```

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

```
.background{ background-color: rgb(176,  
255, 40) }
```

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