

Converting Colors

XYZ(53.9431, 80.8784, 13.4647)

Have a look what the booklet for
XYZ(53.9431, 80.8784, 13.4647)
contains.

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Color

**XYZ(54.0268, 80.9213,
13.4813)**

Conversions

Conversions Part 1

Format	Color
Hex	B1FF15
RGB	177, 255, 21
RGB Percent	69%, 100%, 8%
CMY	0.3059, 0.0000, 0.9176
CMYK	0.31, 0.00, 0.92, 0.00
HSL	80°, 100%, 54%
HSV	80°, 92%, 100%
XYZ	54.0268, 80.9213, 13.4813
YIQ	205.0020, 28.6260, -89.3100

Conversions

Conversions Part 2

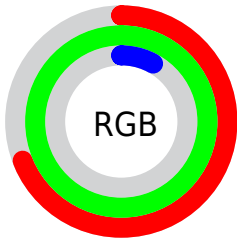
Format	Color
R _Y B	21, 255, 99
Decimal	11665173
CIE Lab	92.10, -51.75, 86.69
CIE LCh	92, 100.962, 120.835
Yxy	80.9213, 0.3640, 0.5452
Android (android.graphics.Color)	4289855253 (0xFFB1FF15)
YUV	205.0020, -90.7130, -24.5578
Hunter-Lab	89.9563, -50.2182, 54.0839

Details

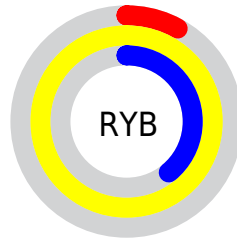
The XYZ color **54.0268, 80.9213, 13.4813** is a light color, and the websafe version is hex **99FF00**. The color can be described as light washed chartreuse. A complement of this color would be **23.4668, 10.4112, 95.3805**, and the grayscale version is **58.5774, 61.6280, 67.1129**.

A 20% lighter version of the original color is **73.2720, 90.5980, 25.4297**, and **27.5302, 44.1701, 7.0747** is the 20% darker color. If you saturate the color by 10%, you get **52.3356, 80.0650, 12.6957**, and if you desaturate by 10%, it is **56.3920, 82.0980, 15.5135**.

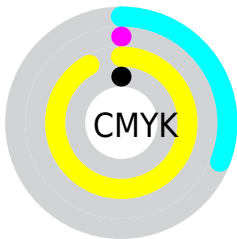
Distribution



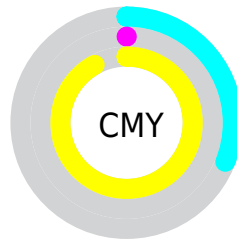
- Red (69%)
- Green (100%)
- Blue (8%)



- Red (8%)
- Yellow (100%)
- Blue (39%)



- Cyan (31%)
- Magenta (0%)
- Yellow (92%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.0268, 80.9213, 13.4813 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 54.0268, 80.9213, 13.4813 by changing the saturation by 10% instead.


 54.0268, 80.9213,
13.4813


 54.0268, 80.9213,
13.4813


392.4089,
498.0323, 225.2947


 38.8538, 60.4768,
7.6262


 95.2703, 134.6603,
32.8696

 26.8263, 43.8031,
3.7724


 122.0715,
168.7235, 47.2398


 17.5787, 30.5157,
1.5013


 153.4795,
208.0951, 65.2855

 10.7458, 20.2304,
0.2189

 189.8596,
253.1594, 87.4252

 5.9622, 12.5626,
0.0000

 231.5773,
304.3009, 114.0774

 2.8625, 7.1281,
0.0000

 278.9978,

 1.0815, 3.5423,

361.9040, 145.6607

0.0000

332.4866,
426.3530, 182.5937

■ 0.0095, 1.4210,
0.0000

■ 0.0000, 0.2321,
0.0000

■ 54.0268, 80.9213,
13.4813

■ 54.0268, 80.9213,
13.4813

■ 52.3356, 80.0650,
12.6957

■ 56.3920, 82.0980,
15.5135

■ 59.1788, 83.4576,
19.1247

■ 62.4353, 85.0195,
24.5572

■ 66.2014, 86.7999,
32.0113

70.5120, 88.8130,
41.6607

75.3986, 91.0716,
53.6608

80.8898, 93.5874,
68.1525

87.0122, 96.3712,
85.2660

93.7905, 99.4330,
105.1222

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.1870, 80.9213, 8.4837



54.0268, 80.9213, 13.4813



40.9938, 80.9213, 35.1291

Triad

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



54.0268, 80.9213, 13.4813



55.0301, 80.9213, 281.6209



138.5203, 80.9213, 86.0395

Complementary

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



54.0268, 80.9213, 13.4813



23.4668, 10.4112, 95.3805

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.



129.3548, 80.9213, 177.9337



54.0268, 80.9213, 13.4813



77.6441, 80.9213, 322.8411

Square

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



54.0268, 80.9213, 13.4813



41.4746, 80.9213, 183.7701



105.4924, 80.9213, 277.1179



128.3273, 80.9213, 33.2076

Rectangle

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



54.0268, 80.9213, 13.4813



37.3594, 80.9213, 67.2133



105.4924, 80.9213, 277.1179



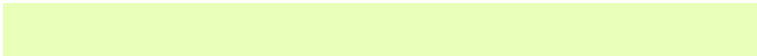
137.5854, 80.9213, 112.9416

Sweetspot

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



54.0268, 80.9212, 13.4824



77.3886, 91.9857, 58.8041



45.8389, 30.2408, 4.1317



16.0765, 19.4646, 11.3281



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.



54.0268, 80.9212, 13.4824



52.3356, 80.0650, 12.6957



37.7602, 72.5355, 12.7212



18.9384, 20.7697, 19.1551



27.5114, 41.9207, 6.6415



2.7947, 4.1415, 0.6521

Inverse Universe

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



23.4668, 10.4112, 95.3805



21.7972, 9.1517, 95.2254



46.6386, 22.3567, 96.4649



17.5735, 17.6719, 22.7347



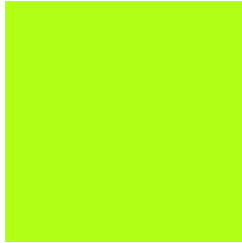
11.5301, 4.8545, 49.7639



1.2329, 0.5295, 4.8505

Previews

White Background



This preview shows how the XYZ color 54.0268, 80.9213, 13.4813 looks on a white background.

Color Contrast Check

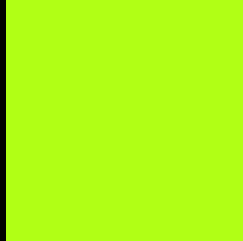
Large Text (above 18pt) WCAG AA × Fail

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 54.0268, 80.9213, 13.4813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

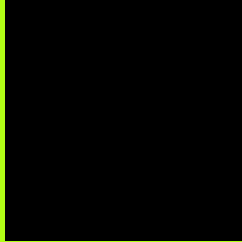
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 54.0268, 80.9213, 13.4813

Background



This preview shows how black text looks on a background with the XYZ color 54.0268, 80.9213, 13.4813.



This preview shows how white text looks on a background with the XYZ color 54.0268, 80.9213,

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

54.0268, 80.9213, 13.4813

Protanopia

73.1339, 80.1881, 27.5429

Deuteranopia

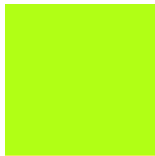
78.0033, 79.9159, 60.0293



Tritanopia

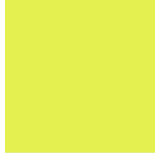
72.9628, 80.4849, 106.2973

Trichromacy



Original Color

54.0268, 80.9213, 13.4813



Protanomaly

64.2866, 79.2303, 19.4941



Deuteranomaly

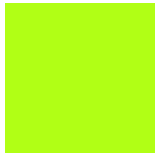
65.9252, 78.4842, 32.4432



Tritanomaly

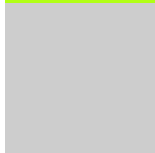
61.8545, 79.0730, 50.0327

Monochromacy



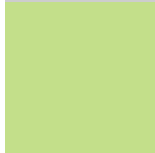
Original Color

54.0268, 80.9213, 13.4813



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

53.4808, 66.2124, 34.0063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.0268, 80.9213, 13.4813 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(177, 255, 21)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 21)  
}
```

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(177, 255, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 21) }
```

Border

The CSS property to change the border of an element to XYZ 54.0268, 80.9213, 13.4813 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(177, 255, 21) }
```


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

```
.border{ border-color:rgb(177, 255, 21) }
```

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

Here you see how a box with a 4 pixel rgb(177, 255, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 21);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 54.0268, 80.9213, 13.4813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 21) }
```

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

```
.background{ background-color: rgb(177,  
255, 21) }
```

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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