

Converting Colors

XYZ(54.1863, 80.9513, 15.9032)

Have a look what the booklet for
XYZ(54.1863, 80.9513, 15.9032)
contains.

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Color

**XYZ(54.2620, 80.9891,
15.9045)**

Conversions

Conversions Part 1

Format	Color
Hex	B0FF33
RGB	176, 255, 51
RGB Percent	69%, 100%, 20%
CMY	0.3098, 0.0000, 0.8000
CMYK	0.31, 0.00, 0.80, 0.00
HSL	83°, 100%, 60%
HSV	83°, 80%, 100%
XYZ	54.2620, 80.9891, 15.9045
YIQ	208.1230, 18.4000, -80.1920

Conversions

Conversions Part 2

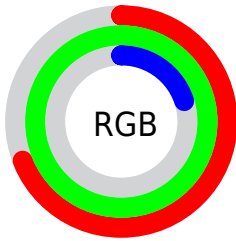
Format	Color
RYB	51, 255, 130
Decimal	11599667
CIELab	92.13, -51.28, 81.10
CIELCh	92, 95.949, 122.306
Yxy	80.9891, 0.3590, 0.5358
Android (android.graphics.Color)	4289789747 (0xFFB0FF33)
YUV	208.1230, -77.4616, -28.1719
Hunter-Lab	89.9939, -49.8625, 52.5175

Details

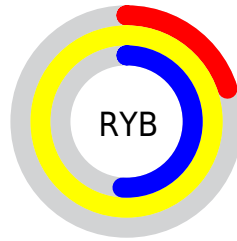
The XYZ color **54.2620, 80.9891, 15.9045** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **28.4418, 14.3352, 95.8757**, and the grayscale version is **60.5129, 63.6643, 69.3304**.

A 20% lighter version of the original color is **73.4466, 90.5907, 29.8344**, and **27.3965, 44.1012, 7.0684** is the 20% darker color. If you saturate the color by 10%, you get **51.6929, 79.7128, 13.6104**, and if you desaturate by 10%, it is **57.3016, 82.4724, 19.8294**.

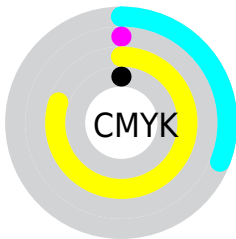
Distribution



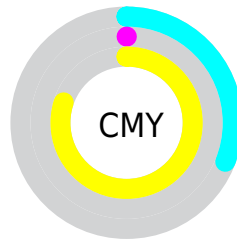
- Red (69%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (51%)



- Cyan (31%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 54.2620, 80.9891, 15.9045 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 54.2620, 80.9891, 15.9045 by changing the saturation by 10% instead.


 54.2620, 80.9891,
15.9045


 54.2620, 80.9891,
15.9045


393.2904,
498.2599, 240.6040


 39.0427, 60.5326,
9.3030


 95.6135, 134.7555,
37.1968


 26.9738, 43.8481,
4.8398


 122.4763,
168.8341, 52.7247


 17.6900, 30.5511,
2.0965


 153.9510,
208.2223, 72.0651

 10.8260, 20.2573,
0.6137

 190.4030,
253.3044, 95.6366

 6.0164, 12.5822,
0.0000

 232.1976,
304.4649, 123.8576

 2.8958, 7.1415,
0.0000

279.7001,

 1.0989, 3.5507,

362.0880, 157.1469

0.0000

333.2759,
426.5582, 195.9228

0.0242, 1.4256,
0.0000

0.0000, 0.2355,
0.0000

54.2620, 80.9891,
15.9045

54.2620, 80.9891,
15.9045

51.6929, 79.7128,
13.6104

57.3016, 82.4724,
19.8294

49.5184, 78.6127,
12.5642

60.8588, 84.1818,
25.6140

49.5177, 78.6123,
12.5638

64.9740, 86.1340,
33.4543

69.6824, 88.3434,
43.5206

■ 75.0162, 90.8231,
55.9652

■ 81.0047, 93.5853,
70.9273

■ 87.6751, 96.6412,
88.5351

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.



75.0802, 80.9891, 10.1065



54.2620, 80.9891, 15.9045



42.0889, 80.9891, 38.8340

Triad

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



54.2620, 80.9891, 15.9045



56.9293, 80.9891, 272.0308



134.9232, 80.9891, 82.8166

Complementary

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



54.2620, 80.9891, 15.9045



28.4418, 14.3352, 95.8757

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.



127.2137, 80.9891, 167.8041



54.2620, 80.9891, 15.9045



78.9069, 80.9891, 306.1873

Square

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



54.2620, 80.9891, 15.9045



43.3812, 80.9891, 182.8040



105.2847, 80.9891, 260.5836



124.5580, 80.9891, 33.5954

Rectangle

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



54.2620, 80.9891, 15.9045



38.8218, 80.9891, 71.1823



105.2847, 80.9891, 260.5836



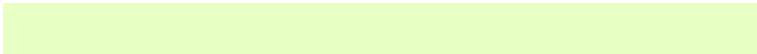
134.3578, 80.9891, 107.6963

Sweetspot

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



54.2621, 80.9891, 15.9057



78.5266, 92.4447, 64.6261



49.7152, 37.2540, 7.7036



16.3553, 19.5781, 12.7074



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.



54.2621, 80.9891, 15.9057



50.3520, 79.0360, 12.8946



39.2445, 73.2473, 15.2028



18.8401, 20.7190, 19.1505



26.0461, 41.1654, 6.5729



2.6583, 4.0712, 0.6457

Inverse Universe

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



28.4418, 14.3352, 95.8757



23.9870, 10.4450, 95.3596



52.2542, 26.6109, 96.9901



17.6682, 17.7207, 22.7392



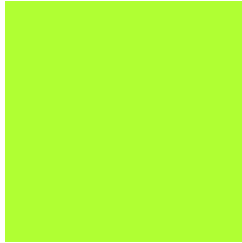
12.2607, 5.2311, 49.7981



1.3116, 0.5701, 4.8542

Previews

White Background



This preview shows how the XYZ color 54.2620, 80.9891, 15.9045 looks on a white background.

Color Contrast Check

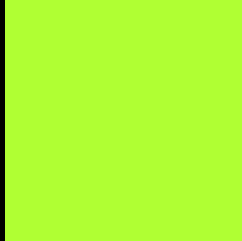
Large Text (above 18pt) WCAG AA × Fail

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 54.2620, 80.9891, 15.9045 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 54.2620, 80.9891, 15.9045

Background



This preview shows how black text looks on a background with the XYZ color 54.2620, 80.9891, 15.9045.

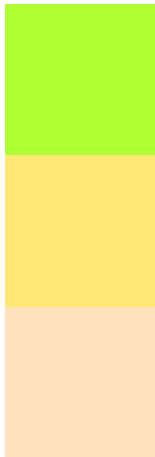


This preview shows how white text looks on a background with the XYZ color 54.2620, 80.9891,

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

54.2620, 80.9891, 15.9045

Protanopia

73.1911, 80.2110, 27.8443

Deuteranopia

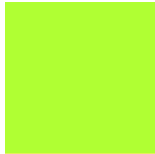
78.1131, 79.9598, 60.6070



Tritanopia

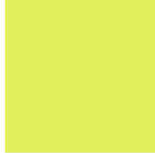
72.6913, 80.3449, 106.2846

Trichromacy



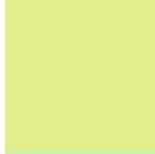
Original Color

54.2620, 80.9891, 15.9045



Protanomaly

64.4559, 79.2616, 22.0271



Deuteranomaly

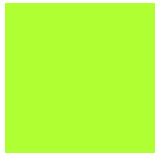
66.3818, 78.6306, 36.4895



Tritanomaly

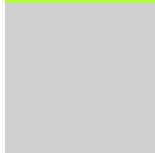
62.6835, 79.3750, 55.7332

Monochromacy



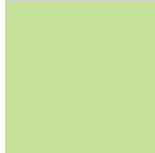
Original Color

54.2620, 80.9891, 15.9045



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

55.2761, 67.8206, 39.4555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.2620, 80.9891, 15.9045 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 54.2620, 80.9891, 15.9045 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, 51) }
```


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

```
.border{ border-color:rgb(176, 255, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(176, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 54.2620, 80.9891, 15.9045 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, 51) }
```

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

```
.background{ background-color: rgb(176,  
255, 51) }
```

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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