

Converting Colors

XYZ(53.1159, 80.3586, 17.6309)

Have a look what the booklet for
XYZ(53.1159, 80.3586, 17.6309)
contains.

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Color

**XYZ(53.0476, 80.3252,
17.5589)**

Conversions

Conversions Part 1

Format	Color
Hex	A9FF40
RGB	169, 255, 64
RGB Percent	66%, 100%, 25%
CMY	0.3373, 0.0000, 0.7490
CMYK	0.34, 0.00, 0.75, 0.00
HSL	87°, 100%, 63%
HSV	87°, 75%, 100%
XYZ	53.0476, 80.3252, 17.5589
YIQ	207.5120, 10.0550, -77.6330

Conversions

Conversions Part 2

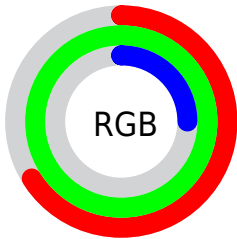
Format	Color
RYB	64, 255, 150
Decimal	11140928
CIELab	91.83, -53.12, 77.05
CIELCh	92, 93.589, 124.582
Yxy	80.3252, 0.3515, 0.5322
Android (android.graphics.Color)	4289331008 (0xFFA9FF40)
YUV	207.5120, -70.7514, -33.7750
Hunter-Lab	89.6243, -51.1905, 51.1211

Details

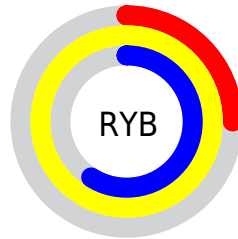
The XYZ color **53.0476, 80.3252, 17.5589** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **32.4630, 17.3725, 96.2500**, and the grayscale version is **60.0771, 63.2058, 68.8311**.

A 20% lighter version of the original color is **71.7112, 89.6332, 32.5901**, and **26.5008, 43.6394, 7.0265** is the 20% darker color. If you saturate the color by 10%, you get **50.1239, 78.8835, 14.4612**, and if you desaturate by 10%, it is **56.5193, 82.0111, 22.4142**.

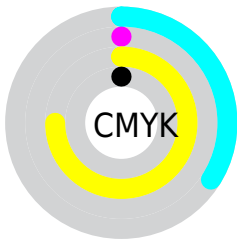
Distribution



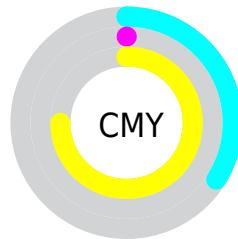
- Red (66%)
- Green (100%)
- Blue (25%)



- Red (25%)
- Yellow (100%)
- Blue (59%)



- Cyan (34%)
- Magenta (0%)
- Yellow (75%)
- Black (0%)




- Cyan (34%)
- Magenta (0%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.0476, 80.3252, 17.5589 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 53.0476, 80.3252, 17.5589 by changing the saturation by 10% instead.


 53.0476, 80.3252,
17.5589

 53.0476, 80.3252,
17.5589


388.7256,
496.0281, 250.5250


 38.0684, 59.9860,
10.4676


 93.8395, 133.8229,
40.0880


 26.2132, 43.4073,
5.6004


 120.3830,
167.7501, 56.3629

 17.1167, 30.2049,
2.5389


 151.5118,
206.9755, 76.5360

 10.4136, 19.9941,
0.8606

 187.5916,
251.8834, 101.0260

 5.7384, 12.3908,
0.0000

 228.9874,
302.8582, 130.2514

 2.7258, 7.0104,
0.0000

276.0648,

 1.0105, 3.4686,

360.2843, 164.6306

0.0000

329.1891,
424.5462, 204.5823

0.0000, 1.3810,
0.0000

0.0000, 0.2027,
0.0000

53.0476, 80.3252,
17.5589

53.0476, 80.3252,
17.5589

50.1239, 78.8835,
14.4612

56.5193, 82.0111,
22.4142

47.6930, 77.6633,
12.8579

60.5841, 83.9597,
29.2347

46.6052, 77.1109,
12.4275

65.2815, 86.1877,
38.2029

70.6469, 88.7097,
49.4793

■ 76.7129, 91.5392,
63.2093

■ 83.5093, 94.6887,
79.5263

■ 91.0641, 98.1701,
98.5539

■ 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.



72.7211, 80.3252, 10.8157



53.0476, 80.3252, 17.5589



41.8081, 80.3252, 42.1359

Triad

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



53.0476, 80.3252, 17.5589



58.2132, 80.3252, 269.2189



132.1632, 80.3252, 77.3269

Complementary

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



53.0476, 80.3252, 17.5589



32.4630, 17.3725, 96.2500

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.



126.0368, 80.3252, 157.2832



53.0476, 80.3252, 17.5589



80.0908, 80.3252, 296.2363

Square

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



53.0476, 80.3252, 17.5589



44.3231, 80.3252, 185.8894



105.6293, 80.3252, 247.5013



120.9599, 80.3252, 31.8721

Rectangle

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



53.0476, 80.3252, 17.5589



39.0222, 80.3252, 75.5733



105.6293, 80.3252, 247.5013



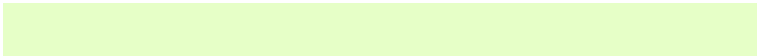
132.0787, 80.3252, 100.5331

Sweetspot

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



53.0477, 80.3252, 17.5601



78.6067, 92.4187, 67.6676



53.0647, 43.4284, 10.4373



16.4455, 19.6051, 13.5896



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.



53.0477, 80.3252, 17.5601



48.8263, 78.2350, 13.4757



39.4757, 73.3286, 16.9249



18.7262, 20.6603, 19.1452



24.5268, 40.3821, 6.5018



2.5140, 3.9968, 0.6390

Inverse Universe

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



32.4630, 17.3725, 96.2500



27.4374, 12.5914, 95.5920



57.6974, 30.3813, 97.4309



17.7797, 17.7782, 22.7444



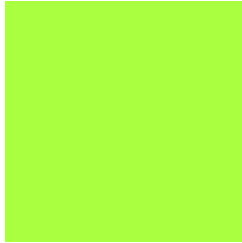
13.2800, 5.7566, 49.8458



1.4167, 0.6243, 4.8591

Previews

White Background



This preview shows how the XYZ color 53.0476, 80.3252, 17.5589 looks on a white background.

Color Contrast Check

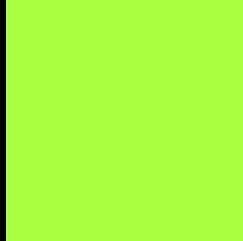
Large Text (above 18pt) WCAG AA × Fail

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 53.0476, 80.3252, 17.5589 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

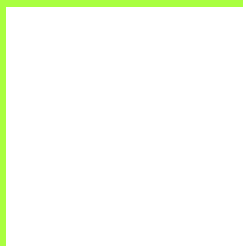
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.0476, 80.3252, 17.5589

Background



This preview shows how black text looks on a background with the XYZ color 53.0476, 80.3252, 17.5589.



This preview shows how white text looks on a background with the XYZ color 53.0476, 80.3252,

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

53.0476, 80.3252, 17.5589

Protanopia

72.4174, 79.4524, 25.1547

Deuteranopia

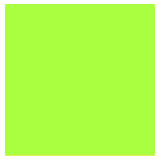
77.5135, 79.2836, 58.7948



Tritanopia

71.3601, 79.6587, 106.2223

Trichromacy



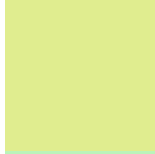
Original Color

53.0476, 80.3252, 17.5589



Protanomaly

63.7889, 78.9228, 21.7691



Deuteranomaly

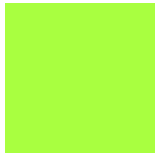
65.9826, 78.3988, 37.6414



Tritanomaly

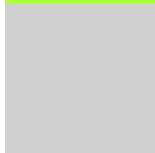
61.7071, 78.8113, 58.4142

Monochromacy



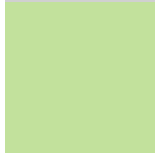
Original Color

53.0476, 80.3252, 17.5589



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

55.1741, 67.7201, 41.6158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.0476, 80.3252, 17.5589 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(169, 255, 64)` looks like.

```
.text, #text, p{  
    color:rgb(169, 255, 64)  
}
```

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(169, 255, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 64) }
```

Border

The CSS property to change the border of an element to XYZ 53.0476, 80.3252, 17.5589 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(169, 255, 64) }
```


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

```
.border{ border-color:rgb(169, 255, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 255, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 255, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 255, 64);  
box-shadow:4px 4px 4px 4px rgb(169, 255,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 53.0476, 80.3252, 17.5589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 255, 64) }
```

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

```
.background{ background-color: rgb(169,  
255, 64) }
```

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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