

Converting Colors

XYZ(89.6059, 153.2437,
43.5979)

Have a look what the booklet for
XYZ(89.6059, 153.2437, 43.5979)
contains.

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Color

**XYZ(53.0455, 80.0180,
31.3881)**

Conversions

Conversions Part 1

Format	Color
Hex	9CFF7B
RGB	156, 255, 123
RGB Percent	61%, 100%, 48%
CMY	0.3882, 0.0000, 0.5176
CMYK	0.39, 0.00, 0.52, 0.00
HSL	105°, 100%, 74%
HSV	105°, 52%, 100%
XYZ	53.0455, 80.0180, 31.3881
YIQ	210.3510, -16.6320, -62.0400

Conversions

Conversions Part 2

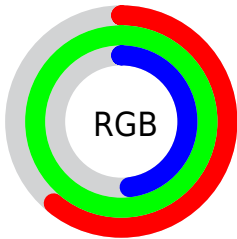
Format	Color
RYB	123, 255, 222
Decimal	10289019
CIELab	91.69, -52.53, 53.56
CIELCh	92, 75.021, 134.446
Yxy	80.0180, 0.3226, 0.4866
Android (android.graphics.Color)	4288479099 (0xFF9CFF7B)
YUV	210.3510, -43.0640, -47.6658
Hunter-Lab	89.4528, -50.6919, 41.8127

Details

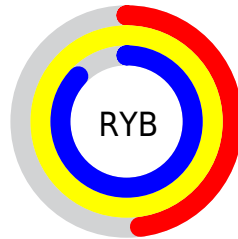
The XYZ color **53.0455, 80.0180, 31.3881** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **55.2585, 36.9169, 98.8210**, and the grayscale version is **61.7713, 64.9882, 70.7722**.

A 20% lighter version of the original color is **71.8202, 89.1814, 55.5479**, and **26.3053, 43.4145, 12.6236** is the 20% darker color. If you saturate the color by 10%, you get **48.2373, 77.7003, 23.8881**, and if you desaturate by 10%, it is **58.8528, 82.8027, 41.1071**.

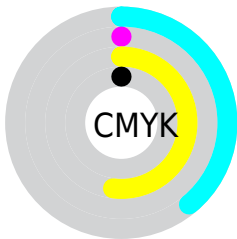
Distribution



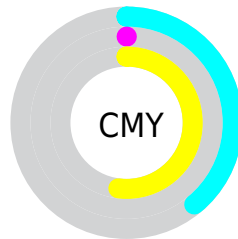
- Red (61%)
- Green (100%)
- Blue (48%)



- Red (48%)
- Yellow (100%)
- Blue (87%)



- Cyan (39%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)





- Cyan (39%)
- Magenta (0%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.0455, 80.0180, 31.3881 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 53.0455, 80.0180, 31.3881 by changing the saturation by 10% instead.


 53.0455, 80.0180,
31.3881

 53.0455, 80.0180,
31.3881


388.7177,
494.9935, 322.7287


 38.0667, 59.7332,
20.6336


 93.8365, 133.3910,
62.9373

 26.2119, 43.2036,
12.6678


 120.3793,
167.2480, 84.5691

 17.1158, 30.0449,
7.0722


 151.5076,
206.3979, 110.6638

 10.4129, 19.8727,
3.4282

187.5867,
251.2249, 141.6398

 5.7379, 12.3025,
1.3172

228.9819,
302.1136, 177.9158

 2.7255, 6.9501,
0.0758

276.0585,

 1.0103, 3.4309,

359.4484, 219.9102

0.0000

329.1820,
423.6135, 268.0417

0.0000, 1.3606,
0.0000

0.0000, 0.1874,
0.0000

53.0455, 80.0180,
31.3881

53.0455, 80.0180,
31.3881

48.2373, 77.7003,
23.8881

58.8528, 82.8027,
41.1071

44.3671, 75.8220,
18.4282

65.7131, 86.0788,
53.1977

41.3678, 74.3528,
14.8083

73.6774, 89.8695,
67.8032

39.1615, 73.2579,
12.7858

82.7931, 94.1964,
85.0548

■ 37.8579, 72.6015,
12.0182

■ 93.1046, 99.0798,
105.0742

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.



67.2216, 80.0180, 19.6531



53.0455, 80.0180, 31.3881



45.7742, 80.0180, 61.7648

Triad

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



53.0455, 80.0180, 31.3881



66.5890, 80.0180, 233.6052



117.6441, 80.0180, 63.3470

Complementary

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



53.0455, 80.0180, 31.3881



55.2585, 36.9169, 98.8210

Split Complementary

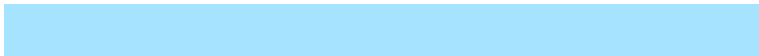
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



117.3974, 80.0180, 118.6234



53.0455, 80.0180, 31.3881



85.6296, 80.0180, 234.6271

Square

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



53.0455, 80.0180, 31.3881



52.6498, 80.0180, 183.9710



104.9082, 80.0180, 186.3588



105.5345, 80.0180, 32.1252

Rectangle

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



53.0455, 80.0180, 31.3881



44.8963, 80.0180, 95.5713



104.9082, 80.0180, 186.3588



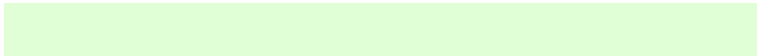
119.0607, 80.0180, 79.1934

Sweetspot

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



53.0458, 80.0181, 31.3893



78.7876, 92.2964, 77.4148



70.9369, 74.9332, 29.4649



16.4636, 19.5653, 15.8132



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.



53.0458, 80.0181, 31.3893



48.1351, 77.6509, 23.7360



49.9299, 78.1316, 43.9030



18.1970, 20.3874, 19.1204



19.8953, 37.9945, 6.2851



2.0319, 3.7483, 0.6164

Inverse Universe

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



55.2585, 36.9169, 98.8210



50.4802, 30.2704, 97.7899



61.5083, 40.7008, 73.7221



18.3232, 18.0583, 22.7698



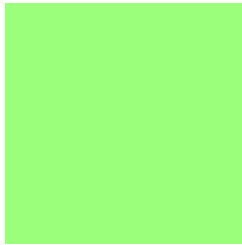
20.8356, 9.6516, 50.1994



2.1285, 0.9912, 4.8924

Previews

White Background



This preview shows how the XYZ color 53.0455, 80.0180, 31.3881 looks on a white background.

Color Contrast Check

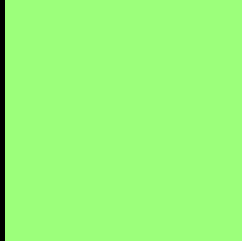
Large Text (above 18pt) WCAG AA × Fail

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 53.0455, 80.0180, 31.3881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

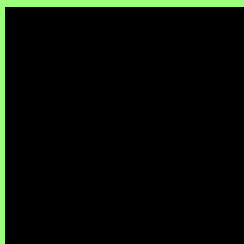
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

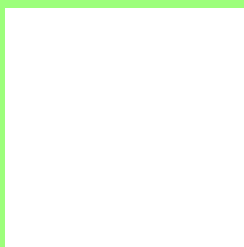
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.0455, 80.0180, 31.3881

Background



This preview shows how black text looks on a background with the XYZ color 53.0455, 80.0180, 31.3881.

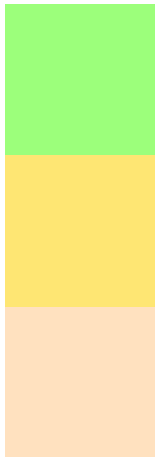


This preview shows how white text looks on a background with the XYZ color 53.0455, 80.0180,

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

53.0455, 80.0180, 31.3881

Protanopia

72.2644, 78.9023, 27.6406

Deuteranopia

77.5692, 78.8720, 60.4257



Tritanopia

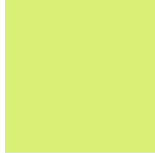
69.9028, 79.7718, 106.3210

Trichromacy



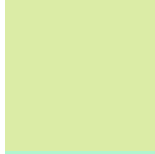
Original Color

53.0455, 80.0180, 31.3881



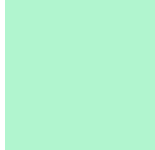
Protanomaly

63.0500, 77.9464, 28.8616



Deuteranomaly

66.0918, 77.8041, 47.6107



Tritanomaly

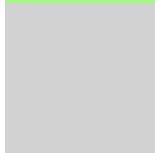
62.0464, 79.1569, 71.0401

Monochromacy



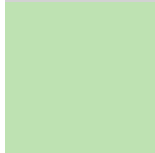
Original Color

53.0455, 80.0180, 31.3881



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

56.4674, 68.5542, 52.3756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.0455, 80.0180, 31.3881 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(156, 255, 123)` looks like.

```
.text, #text, p{  
    color:rgb(156, 255, 123)  
}
```

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(156, 255, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 255, 123) }
```

Border

The CSS property to change the border of an element to XYZ 53.0455, 80.0180, 31.3881 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(156, 255, 123) }
```


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

```
.border{ border-color:rgb(156, 255, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 255, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 255, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 255, 123);  
box-shadow:4px 4px 4px 4px rgb(156, 255,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 53.0455, 80.0180, 31.3881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 255, 123) }
```

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

```
.background{ background-color: rgb(156,  
255, 123) }
```

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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