

Converting Colors

XYZ(55.0328, 81.3658, 16.8749)

Have a look what the booklet for
XYZ(55.0328, 81.3658, 16.8749)
contains.

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Color

**XYZ(55.1398, 81.4195,
16.9470)**

Conversions

Conversions Part 1

Format	Color
Hex	B3FF3B
RGB	179, 255, 59
RGB Percent	70%, 100%, 23%
CMY	0.2980, 0.0000, 0.7686
CMYK	0.30, 0.00, 0.77, 0.00
HSL	83°, 100%, 62%
HSV	83°, 77%, 100%
XYZ	55.1398, 81.4195, 16.9470
YIQ	209.9320, 17.6200, -77.0680

Conversions

Conversions Part 2

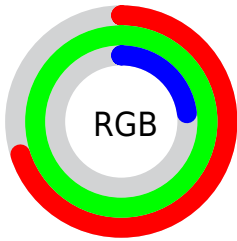
Format	Color
RYB	59, 255, 135
Decimal	11796283
CIELab	92.32, -49.88, 79.17
CIELCh	92, 93.575, 122.211
Yxy	81.4195, 0.3592, 0.5304
Android (android.graphics.Color)	4289986363 (0xFFB3FF3B)
YUV	209.9320, -74.4095, -27.1274
Hunter-Lab	90.2328, -48.8288, 52.0274

Details

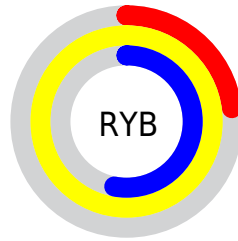
The XYZ color **55.1398, 81.4195, 16.9470** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **29.6075, 15.5004, 96.0391**, and the grayscale version is **61.6791, 64.8912, 70.6665**.

A 20% lighter version of the original color is **74.8078, 91.2512, 31.7596**, and **27.9398, 44.3812, 7.0939** is the 20% darker color. If you saturate the color by 10%, you get **52.4277, 80.0800, 14.1702**, and if you desaturate by 10%, it is **58.3386, 82.9725, 21.4328**.

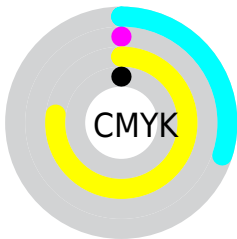
Distribution



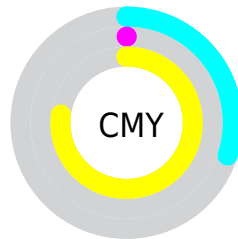
- Red (70%)
- Green (100%)
- Blue (23%)



- Red (23%)
- Yellow (100%)
- Blue (53%)



- Cyan (30%)
- Magenta (0%)
- Yellow (77%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.1398, 81.4195, 16.9470 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 55.1398, 81.4195, 16.9470 by changing the saturation by 10% instead.


 55.1398, 81.4195,
16.9470


 55.1398, 81.4195,
16.9470


396.5694,
499.7039, 246.9004

 39.7479, 60.8872,
10.0352


 96.8929, 135.3596,
39.0240

 27.5254, 44.1341,
5.3164


 123.9848,
169.5362, 55.0263


 18.1068, 30.7760,
2.3721


 155.7075,
209.0297, 74.8958

 11.1269, 20.4283,
0.7712

 192.4263,
254.2244, 99.0510

 6.2202, 12.7068,
0.0000

 234.5065,
305.5048, 127.9106

 3.0213, 7.2269,
0.0000

282.3135,

 1.1651, 3.6044,

363.2552, 161.8929

0.0000

336.2127,
427.8601, 201.4167

0.0785, 1.4548,
0.0000

0.0000, 0.2566,
0.0000

55.1398, 81.4195,
16.9470

55.1398, 81.4195,
16.9470

52.4277, 80.0800,
14.1702

58.3386, 82.9725,
21.4328

50.1462, 78.9313,
12.8222

62.0687, 84.7574,
27.8427

49.4930, 78.5996,
12.5627

66.3686, 86.7900,
36.3639

71.2727, 89.0842,
47.1605

■ 76.8120, 91.6530,
60.3805

■ 83.0151, 94.5080,
76.1593

■ 89.9089, 97.6604,
94.6223

■ 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.



75.6056, 81.4195, 11.0361



55.1398, 81.4195, 16.9470



43.0902, 81.4195, 39.9073

Triad

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



55.1398, 81.4195, 16.9470



57.6575, 81.4195, 266.5206



133.8158, 81.4195, 83.6098

Complementary

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



55.1398, 81.4195, 16.9470



29.6075, 15.5004, 96.0391

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.



126.2807, 81.4195, 166.4229



55.1398, 81.4195, 16.9470



79.1958, 81.4195, 299.6096

Square

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



55.1398, 81.4195, 16.9470



44.3166, 81.4195, 180.3444



104.9332, 81.4195, 255.9547



123.8089, 81.4195, 34.9024

Rectangle

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



55.1398, 81.4195, 16.9470



39.8344, 81.4195, 71.7905



104.9332, 81.4195, 255.9547



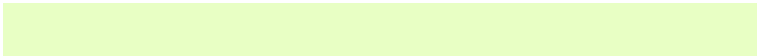
133.2480, 81.4195, 107.9663

Sweetspot

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



55.1399, 81.4195, 16.9482



79.1259, 92.7203, 66.1601



50.5739, 38.6643, 8.9362



16.4720, 19.6318, 13.0006



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.



55.1399, 81.4195, 16.9482



51.2055, 79.4674, 13.3206



40.0184, 73.6240, 16.2405



18.8392, 20.7186, 19.1505



26.0333, 41.1588, 6.5723



2.6571, 4.0706, 0.6457

Inverse Universe

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



29.6075, 15.5004, 96.0391



24.9097, 11.1382, 95.4447



52.9367, 27.5271, 97.1309



17.6691, 17.7211, 22.7392



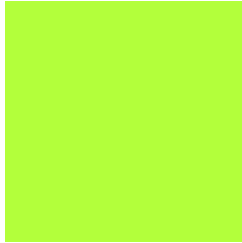
12.2680, 5.2349, 49.7984



1.3124, 0.5705, 4.8542

Previews

White Background



This preview shows how the XYZ color 55.1398, 81.4195, 16.9470 looks on a white background.

Color Contrast Check

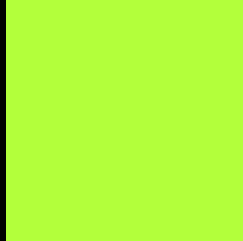
Large Text (above 18pt) WCAG AA × Fail

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 55.1398, 81.4195, 16.9470 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 55.1398, 81.4195, 16.9470

Background



This preview shows how black text looks on a background with the XYZ color 55.1398, 81.4195, 16.9470.

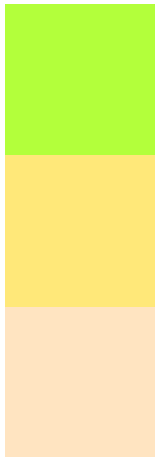


This preview shows how white text looks on a background with the XYZ color 55.1398, 81.4195,

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

55.1398, 81.4195, 16.9470

Protanopia

73.5478, 80.3537, 29.7226

Deuteranopia

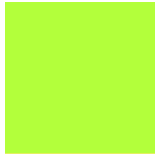
78.6090, 80.5971, 61.8657



Tritanopia

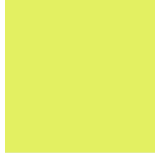
73.5110, 80.7675, 106.3230

Trichromacy



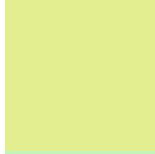
Original Color

55.1398, 81.4195, 16.9470



Protanomaly

65.0432, 79.5329, 23.4785



Deuteranomaly

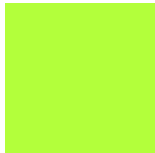
67.2871, 79.4936, 38.1829



Tritanomaly

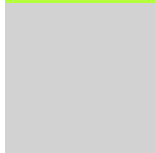
63.7674, 79.8978, 57.4083

Monochromacy



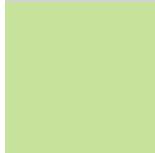
Original Color

55.1398, 81.4195, 16.9470



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

56.6659, 68.9014, 41.3230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.1398, 81.4195, 16.9470 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(179, 255, 59)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 59)  
}
```

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(179, 255, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 59) }
```

Border

The CSS property to change the border of an element to XYZ 55.1398, 81.4195, 16.9470 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(179, 255, 59) }
```


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

```
.border{ border-color:rgb(179, 255, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 255, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 59);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 55.1398, 81.4195, 16.9470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 59) }
```

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

```
.background{ background-color: rgb(179,  
255, 59) }
```

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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