

Converting Colors

XYZ(56.0503, 81.8273, 19.7695)

Have a look what the booklet for
XYZ(56.0503, 81.8273, 19.7695)
contains.

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Color

**XYZ(56.1556, 81.8796,
19.8658)**

Conversions

Conversions Part 1

Format	Color
Hex	B5FF4D
RGB	181, 255, 77
RGB Percent	71%, 100%, 30%
CMY	0.2902, 0.0000, 0.6980
CMYK	0.29, 0.00, 0.70, 0.00
HSL	85°, 100%, 65%
HSV	85°, 70%, 100%
XYZ	56.1556, 81.8796, 19.8658
YIQ	212.5820, 13.0340, -71.0460

Conversions

Conversions Part 2

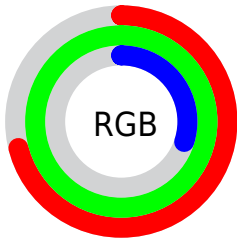
Format	Color
RYB	77, 255, 151
Decimal	11927373
CIELab	92.52, -48.21, 73.67
CIELCh	93, 88.045, 123.201
Yxy	81.8796, 0.3556, 0.5186
Android (android.graphics.Color)	4290117453 (0xFFB5FF4D)
YUV	212.5820, -66.8419, -27.6974
Hunter-Lab	90.4873, -47.5774, 50.3245

Details

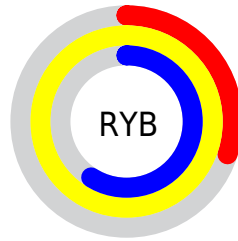
The XYZ color **56.1556, 81.8796, 19.8658** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **33.4681, 19.1086, 96.5321**, and the grayscale version is **63.3926, 66.6940, 72.6297**.

A 20% lighter version of the original color is **76.4088, 91.9700, 36.6465**, and **28.2201, 44.5257, 7.1070** is the 20% darker color. If you saturate the color by 10%, you get **53.0325, 80.3540, 15.9056**, and if you desaturate by 10%, it is **59.8208, 83.6438, 25.6944**.

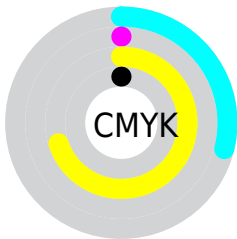
Distribution



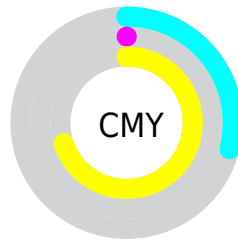
- Red (71%)
- Green (100%)
- Blue (30%)



- Red (30%)
- Yellow (100%)
- Blue (59%)



- Cyan (29%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.1556, 81.8796, 19.8658 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 56.1556, 81.8796, 19.8658 by changing the saturation by 10% instead.


 56.1556, 81.8796,
19.8658


 56.1556, 81.8796,
19.8658


400.3432,
501.2449, 263.7678


 40.5652, 61.2663,
12.1144


 98.3705, 136.0051,
44.0481


 28.1657, 44.4401,
6.6982


 125.7258,
170.2862, 61.3161

 18.5917, 31.0167,
3.1985


 157.7333,
209.8919, 82.5933

 11.4778, 20.6115,
1.1969

 194.7585,
255.2067, 108.2984

 6.4589, 12.8403,
0.0000

237.1667,
306.6151, 138.8499

 3.1693, 7.3187,
0.0000

285.3234,

 1.2439, 3.6622,

364.5013, 174.6662

0.0000

339.5937,
429.2497, 216.1661

0.1406, 1.4865,
0.0000

0.0000, 0.2792,
0.0000

56.1556, 81.8796,
19.8658

56.1556, 81.8796,
19.8658

53.0325, 80.3540,
15.9056

59.8208, 83.6438,
25.6944

50.4031, 79.0472,
13.5788

64.0687, 85.6635,
33.5822

48.1928, 77.9290,
12.5163

68.9355, 87.9535,
43.7001

48.1516, 77.9081,
12.4999

74.4539, 90.5274,
56.2005

■ 80.6540, 93.3976,
71.2222

■ 87.5637, 96.5757,
88.8934

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.



75.3959, 81.8796, 13.2859



56.1556, 81.8796, 19.8658



44.8200, 81.8796, 43.5969

Triad

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



56.1556, 81.8796, 19.8658



59.6448, 81.8796, 255.2812



130.4629, 81.8796, 82.3081

Complementary

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



56.1556, 81.8796, 19.8658



33.4681, 19.1086, 96.5321

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.



124.0085, 81.8796, 158.7860



56.1556, 81.8796, 19.8658



80.3039, 81.8796, 283.0960

Square

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



56.1556, 81.8796, 19.8658



46.5402, 81.8796, 177.3516



104.4529, 81.8796, 241.3703



120.6907, 81.8796, 36.4693

Rectangle

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



56.1556, 81.8796, 19.8658



41.8355, 81.8796, 75.0682



104.4529, 81.8796, 241.3703



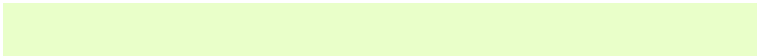
130.1239, 81.8796, 104.8977

Sweetspot

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



56.1557, 81.8796, 19.8670



79.8740, 93.0376, 69.2845



53.2017, 43.0397, 12.5258



16.7199, 19.7399, 13.9050



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.



56.1557, 81.8796, 19.8670



51.8715, 79.7800, 14.7447



41.7989, 74.4784, 19.1951



18.7885, 20.6924, 19.1481



25.3342, 40.7983, 6.5396



2.5911, 4.0365, 0.6426

Inverse Universe

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



33.4681, 19.1086, 96.5321



28.0194, 13.5263, 95.7418



55.6964, 30.5677, 97.5724



17.7185, 17.7466, 22.7415



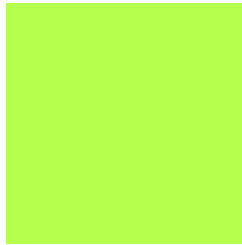
12.6987, 5.4569, 49.8186



1.3573, 0.5936, 4.8563

Previews

White Background



This preview shows how the XYZ color 56.1556, 81.8796, 19.8658 looks on a white background.

Color Contrast Check

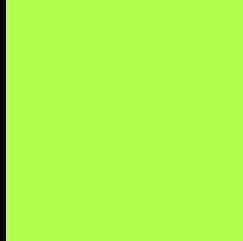
Large Text (above 18pt) WCAG AA × Fail

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 56.1556, 81.8796, 19.8658 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

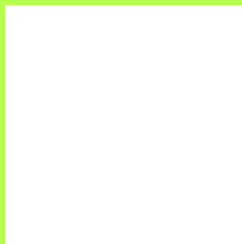
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.1556, 81.8796, 19.8658

Background



This preview shows how black text looks on a background with the XYZ color 56.1556, 81.8796, 19.8658.

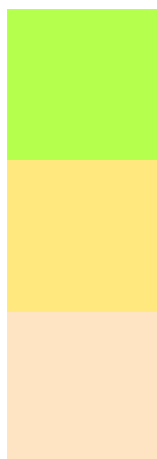


This preview shows how white text looks on a background with the XYZ color 56.1556, 81.8796,

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

56.1556, 81.8796, 19.8658

Protanopia

74.2097, 81.0701, 31.8155

Deuteranopia

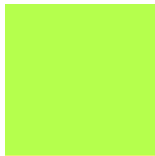
78.8337, 80.6869, 63.0489



Tritanopia

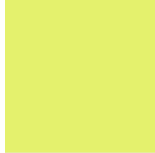
74.3567, 81.6345, 106.4458

Trichromacy



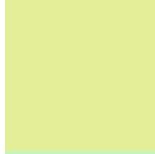
Original Color

56.1556, 81.8796, 19.8658



Protanomaly

66.2105, 80.5087, 26.5181



Deuteranomaly

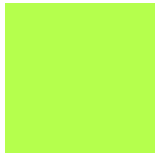
68.2369, 79.9101, 41.5335



Tritanomaly

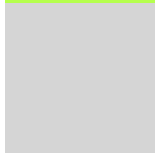
64.9336, 80.4248, 60.8164

Monochromacy



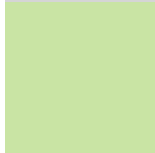
Original Color

56.1556, 81.8796, 19.8658



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

58.5316, 70.5846, 45.6612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.1556, 81.8796, 19.8658 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(181, 255, 77)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 77)  
}
```

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(181, 255, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 77) }
```

Border

The CSS property to change the border of an element to XYZ 56.1556, 81.8796, 19.8658 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(181, 255, 77) }
```


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

```
.border{ border-color:rgb(181, 255, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 255, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 77);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 56.1556, 81.8796, 19.8658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 77) }
```

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

```
.background{ background-color: rgb(181,  
255, 77) }
```

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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