

Converting Colors

XYZ(56.5082, 82.0595, 19.9637)

Have a look what the booklet for
XYZ(56.5082, 82.0595, 19.9637)
contains.

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Color

**XYZ(56.3910, 82.0009,
19.8768)**

Conversions

Conversions Part 1

Format	Color
Hex	B6FF4D
RGB	182, 255, 77
RGB Percent	71%, 100%, 30%
CMY	0.2863, 0.0000, 0.6980
CMYK	0.29, 0.00, 0.70, 0.00
HSL	85°, 100%, 65%
HSV	85°, 70%, 100%
XYZ	56.3910, 82.0009, 19.8768
YIQ	212.8810, 13.6300, -70.8340

Conversions

Conversions Part 2

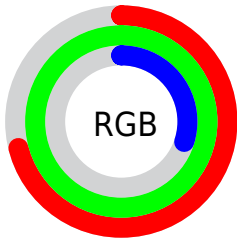
Format	Color
RYB	77, 255, 150
Decimal	11992909
CIELab	92.58, -47.86, 73.74
CIElCh	93, 87.911, 122.982
Yxy	82.0009, 0.3563, 0.5181
Android (android.graphics.Color)	4290182989 (0xFFB6FF4D)
YUV	212.8810, -66.9893, -27.0826
Hunter-Lab	90.5543, -47.3126, 50.3738

Details

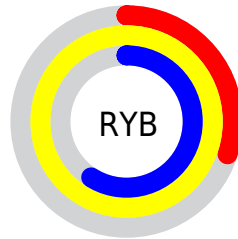
The XYZ color **56.3910, 82.0009, 19.8768** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **33.2832, 19.0133, 96.5235**, and the grayscale version is **63.5937, 66.9056, 72.8601**.

A 20% lighter version of the original color is **76.7511, 92.1465, 36.6625**, and **28.3625, 44.5991, 7.1136** is the 20% darker color. If you saturate the color by 10%, you get **53.2816, 80.4824, 15.9172**, and if you desaturate by 10%, it is **60.0379, 83.7558, 25.7045**.

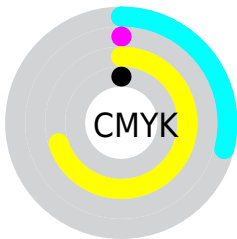
Distribution



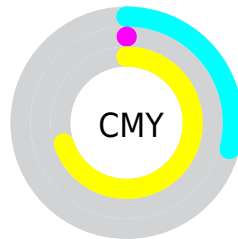
- Red (71%)
- Green (100%)
- Blue (30%)



- 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 56.3910, 82.0009, 19.8768 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 56.3910, 82.0009, 19.8768 by changing the saturation by 10% instead.


 56.3910, 82.0009,
19.8768

 56.3910, 82.0009,
19.8768


401.2145,
501.6507, 263.8295


 40.7547, 61.3663,
12.1223


 98.7125, 136.1753,
44.0668


 28.3143, 44.5208,
6.7035


 126.1285,
170.4838, 61.3394

 18.7044, 31.0802,
3.2017


 158.2017,
210.1191, 82.6218

 11.5596, 20.6599,
1.1985

 195.2976,
255.4655, 108.3325

 6.5146, 12.8756,
0.0000

237.7815,
306.9075, 138.8901

 3.2041, 7.3430,
0.0000

286.0187,

 1.2626, 3.6775,

364.8294, 174.7131

0.0000

340.3746,
429.6157, 216.2201

0.1549, 1.4948,
0.0000

0.0000, 0.2851,
0.0000

56.3910, 82.0009,
19.8768

56.3910, 82.0009,
19.8768

53.2816, 80.4824,
15.9172

60.0379, 83.7558,
25.7045

50.6613, 79.1803,
13.5909

64.2625, 85.7634,
33.5912

48.4558, 78.0646,
12.5286

69.1011, 88.0389,
43.7079

48.4147, 78.0437,
12.5122

74.5860, 90.5955,
56.2067

■ 80.7473, 93.4457,
71.2266

■ 87.6126, 96.6009,
88.8957

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.



75.6765, 82.0009, 13.3696



56.3910, 82.0009, 19.8768



44.9937, 82.0009, 43.4668

Triad

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



56.3910, 82.0009, 19.8768



59.6414, 82.0009, 254.7656



130.5443, 82.0009, 82.8992

Complementary

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



56.3910, 82.0009, 19.8768



33.2832, 19.0133, 96.5235

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.



123.9809, 82.0009, 159.4832



56.3910, 82.0009, 19.8768



80.2469, 82.0009, 283.0247

Square

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



56.3910, 82.0009, 19.8768



46.5967, 82.0009, 176.7595



104.3778, 82.0009, 241.8254



120.8930, 82.0009, 36.8225

Rectangle

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



56.3910, 82.0009, 19.8768



41.9690, 82.0009, 74.7816



104.3778, 82.0009, 241.8254



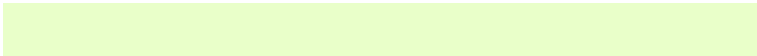
130.1645, 82.0009, 105.5520

Sweetspot

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



56.3912, 82.0010, 19.8780



79.9722, 93.0882, 69.2891



53.2017, 43.0397, 12.5258



16.7433, 19.7520, 13.9061



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.



56.3912, 82.0010, 19.8780



52.1250, 79.9106, 14.7566



41.7989, 74.4784, 19.1951



18.7987, 20.6977, 19.1486



25.4714, 40.8691, 6.5460



2.6041, 4.0432, 0.6432

Inverse Universe

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



33.2832, 19.0133, 96.5235



27.8361, 13.4318, 95.7332



55.6964, 30.5677, 97.5724



17.7085, 17.7415, 22.7411



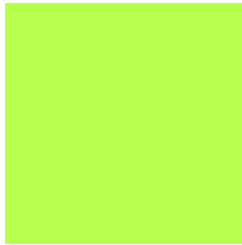
12.6093, 5.4108, 49.8144



1.3480, 0.5889, 4.8559

Previews

White Background



This preview shows how the XYZ color 56.3910, 82.0009, 19.8768 looks on a white background.

Color Contrast Check

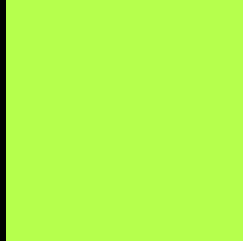
Large Text (above 18pt) WCAG AA × Fail

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 56.3910, 82.0009, 19.8768 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 56.3910, 82.0009, 19.8768

Background



This preview shows how black text looks on a background with the XYZ color 56.3910, 82.0009, 19.8768.

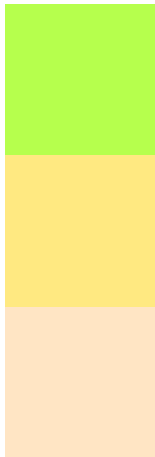


This preview shows how white text looks on a background with the XYZ color 56.3910, 82.0009,

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

56.3910, 82.0009, 19.8768

Protanopia

74.3414, 81.1228, 32.5089

Deuteranopia

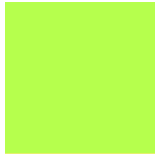
79.2231, 81.2841, 63.7385



Tritanopia

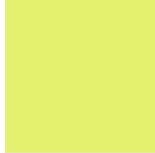
74.3567, 81.6345, 106.4458

Trichromacy



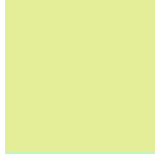
Original Color

56.3910, 82.0009, 19.8768



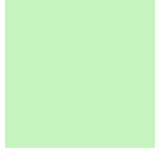
Protanomaly

66.2647, 80.5304, 26.8032



Deuteranomaly

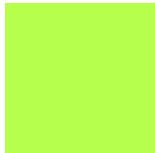
68.3192, 79.9430, 41.9667



Tritanomaly

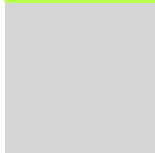
64.9336, 80.4248, 60.8164

Monochromacy



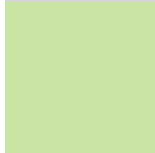
Original Color

56.3910, 82.0009, 19.8768



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

58.8014, 70.7237, 45.6738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.3910, 82.0009, 19.8768 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(182, 255, 77)` looks like.

```
.text, #text, p{  
    color:rgb(182, 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(182, 255, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 255, 77) }
```

Border

The CSS property to change the border of an element to XYZ 56.3910, 82.0009, 19.8768 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(182, 255, 77) }
```


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

```
.border{ border-color:rgb(182, 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(182, 255, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 255, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 255, 77);  
box-shadow:4px 4px 4px 4px rgb(182, 255,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 56.3910, 82.0009, 19.8768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 255, 77) }
```

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

```
.background{ background-color: rgb(182,  
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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