

Converting Colors

XYZ(82.6003, 133.2923,
38.6545)

Have a look what the booklet for
XYZ(82.6003, 133.2923, 38.6545)
contains.

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Color

**XYZ(56.9345, 82.0581,
29.9776)**

Conversions

Conversions Part 1

Format	Color
Hex	B0FF76
RGB	176, 255, 118
RGB Percent	69%, 100%, 46%
CMY	0.3098, 0.0000, 0.5372
CMYK	0.31, 0.00, 0.54, 0.00
HSL	95°, 100%, 73%
HSV	95°, 54%, 100%
XYZ	56.9345, 82.0581, 29.9776
YIQ	215.7610, -3.1070, -59.3550

Conversions

Conversions Part 2

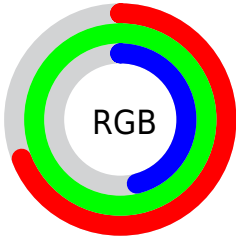
Format	Color
RYB	118, 255, 197
Decimal	11599734
CIELab	92.60, -46.62, 57.13
CIELCh	93, 73.740, 129.214
Yxy	82.0581, 0.3369, 0.4856
Android (android.graphics.Color)	4289789814 (0xFFB0FF76)
YUV	215.7610, -48.1962, -34.8704
Hunter-Lab	90.5859, -46.3357, 43.7893

Details

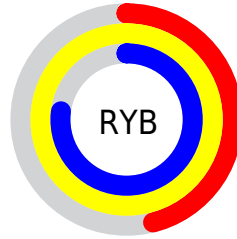
The XYZ color **56.9345, 82.0581, 29.9776** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **47.5559, 32.0486, 98.2873**, and the grayscale version is **65.4265, 68.8338, 74.9600**.

A 20% lighter version of the original color is **77.5638, 92.1993, 53.2434**, and **28.7272, 44.6803, 11.9606** is the 20% darker color. If you saturate the color by 10%, you get **52.4714, 79.9093, 22.8996**, and if you desaturate by 10%, it is **62.1679, 84.5566, 39.2317**.

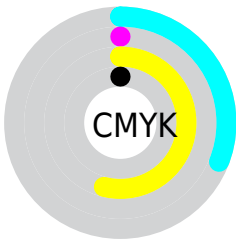
Distribution



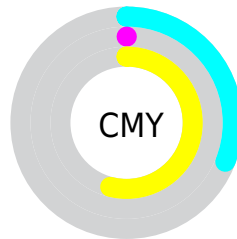
- Red (69%)
- Green (100%)
- Blue (46%)



- Red (46%)
- Yellow (100%)
- Blue (77%)



- Cyan (31%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.9345, 82.0581, 29.9776 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 56.9345, 82.0581, 29.9776 by changing the saturation by 10% instead.


 56.9345, 82.0581,
29.9776

 56.9345, 82.0581,
29.9776


403.2220,
501.8420, 316.0041


 41.1926, 61.4134,
19.5697


 99.5015, 136.2555,
60.6873

 28.6579, 44.5589,
11.9017


 127.0573,
170.5770, 81.8262

 18.9652, 31.1101,
6.5550


 159.2818,
210.2262, 107.3792

 11.7490, 20.6827,
3.1112

196.5404,
255.5875, 137.7648

 6.6440, 12.8923,
1.1517

239.1983,
307.0454, 173.4015

 3.2848, 7.3544,
0.0000

287.6210,

 1.3061, 3.6847,

364.9842, 214.7080

0.0000

342.1737,
429.7882, 262.1026

■ 0.1878, 1.4988,
0.0000

■ 0.0000, 0.2879,
0.0000

■ 56.9345, 82.0581,
29.9776

■ 56.9345, 82.0581,
29.9776

■ 52.4714, 79.9093,
22.8996

■ 62.1679, 84.5566,
39.2317

■ 48.7325, 78.0905,
17.8153

■ 68.2118, 87.4222,
50.8171

■ 45.6669, 76.5800,
14.5187

■ 75.1042, 90.6712,
64.8791

■ 43.2140, 75.3519,
12.7571

■ 82.8801, 94.3189,
81.5500

■ 41.9385, 74.7051,
12.2091

■ 91.5725, 98.3796,
100.9529

95.0500, 100.0000,
108.9000

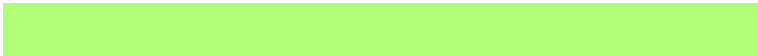
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.2392, 82.0581, 20.4060



56.9345, 82.0581, 29.9776



48.3599, 82.0581, 56.8783

Triad

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



56.9345, 82.0581, 29.9776



65.6312, 82.0581, 228.8343



120.3276, 82.0581, 73.4874

Complementary

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



56.9345, 82.0581, 29.9776



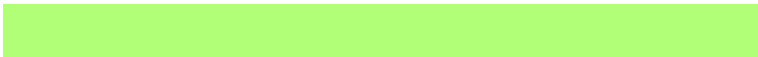
47.5559, 32.0486, 98.2873

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.



117.7779, 82.0581, 132.2871



56.9345, 82.0581, 29.9776



84.0461, 82.0581, 239.3011

Square

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



56.9345, 82.0581, 29.9776



52.7798, 82.0581, 174.0814



103.6947, 82.0581, 198.6280



110.1787, 82.0581, 37.8468

Rectangle

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



56.9345, 82.0581, 29.9776



46.6389, 82.0581, 87.9079



103.6947, 82.0581, 198.6280



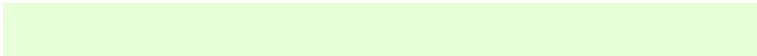
120.9591, 82.0581, 90.8024

Sweetspot

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



56.9348, 82.0582, 29.9788



81.0308, 93.4529, 77.5198



64.1680, 61.8835, 25.7035



16.9946, 19.8390, 15.8381



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.



56.9348, 82.0582, 29.9788



52.3587, 79.8548, 22.7334



47.0715, 76.9077, 32.4893



18.5005, 20.5439, 19.1346



22.0756, 39.1185, 6.3871



2.2710, 3.8715, 0.6276

Inverse Universe

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



47.5559, 32.0486, 98.2873



42.0878, 25.2676, 97.2666



64.3330, 40.8634, 91.5784



18.0063, 17.8950, 22.7550



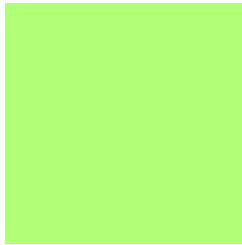
15.8976, 7.1060, 49.9683



1.6727, 0.7563, 4.8711

Previews

White Background



This preview shows how the XYZ color 56.9345, 82.0581, 29.9776 looks on a white background.

Color Contrast Check

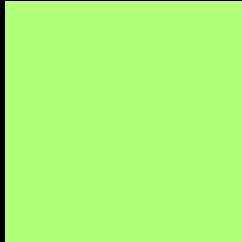
Large Text (above 18pt) WCAG AA × Fail

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 56.9345, 82.0581, 29.9776 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 56.9345, 82.0581, 29.9776

Background



This preview shows how black text looks on a background with the XYZ color 56.9345, 82.0581, 29.9776.



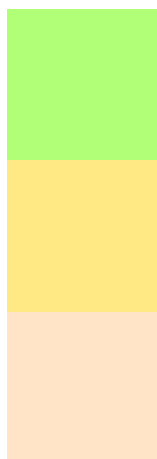
This preview shows how white text looks on a background with the XYZ color 56.9345, 82.0581,

29.9776.

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

56.9345, 82.0581, 29.9776

Protanopia

74.5438, 81.2038, 33.5748

Deuteranopia

79.2922, 80.8703, 65.4632



Tritanopia

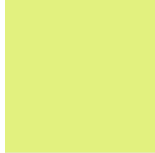
73.8183, 81.7904, 106.5042

Trichromacy



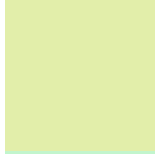
Original Color

56.9345, 82.0581, 29.9776



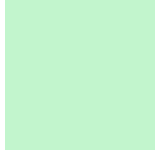
Protanomaly

66.6501, 80.6117, 32.1254



Deuteranomaly

69.1943, 80.2201, 49.8673



Tritanomaly

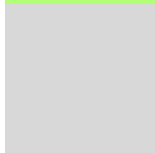
65.9200, 81.1819, 69.9529

Monochromacy



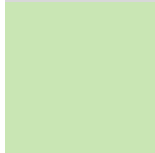
Original Color

56.9345, 82.0581, 29.9776



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

60.6224, 72.3064, 53.9414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.9345, 82.0581, 29.9776 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(176, 255, 118)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 118)  
}
```

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(176, 255, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 118) }
```

Border

The CSS property to change the border of an element to XYZ 56.9345, 82.0581, 29.9776 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(176, 255, 118) }
```


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

```
.border{ border-color:rgb(176, 255, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 255, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 255, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 255, 118);  
box-shadow:4px 4px 4px 4px rgb(176, 255,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 56.9345, 82.0581, 29.9776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 118) }
```

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

```
.background{ background-color: rgb(176,  
255, 118) }
```

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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