

Converting Colors

XYZ(56.7480, 82.2599, 16.5060)

Have a look what the booklet for
XYZ(56.7480, 82.2599, 16.5060)
contains.

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Color

**XYZ(56.6993, 82.2349,
16.4990)**

Conversions

Conversions Part 1

Format	Color
Hex	BAFF37
RGB	186, 255, 55
RGB Percent	73%, 100%, 22%
CMY	0.2706, 0.0000, 0.7843
CMYK	0.27, 0.00, 0.78, 0.00
HSL	81°, 100%, 61%
HSV	81°, 78%, 100%
XYZ	56.6993, 82.2349, 16.4990
YIQ	211.5690, 23.0760, -76.8280

Conversions

Conversions Part 2

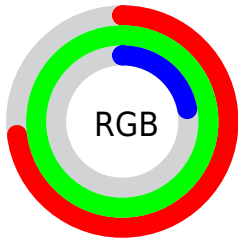
Format	Color
RYB	55, 255, 124
Decimal	12255031
CIELab	92.68, -47.54, 80.75
CIELCh	93, 93.704, 120.485
Yxy	82.2349, 0.3648, 0.5291
Android (android.graphics.Color)	4290445111 (0xFFBAFF37)
YUV	211.5690, -77.1885, -22.4240
Hunter-Lab	90.6835, -47.0900, 52.6912

Details

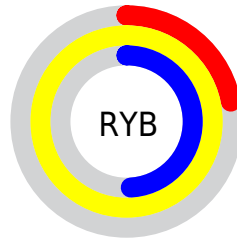
The XYZ color **56.6993, 82.2349, 16.4990** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **27.7302, 14.2391, 95.8946**, and the grayscale version is **62.7787, 66.0480, 71.9263**.

A 20% lighter version of the original color is **77.0361, 92.4208, 30.9183**, and **28.9465, 44.9002, 7.1410** is the 20% darker color. If you saturate the color by 10%, you get **54.1656, 80.9821, 13.9720**, and if you desaturate by 10%, it is **59.6803, 83.6819, 20.6952**.

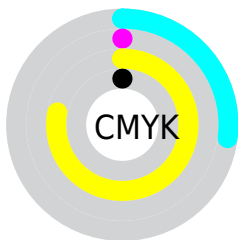
Distribution



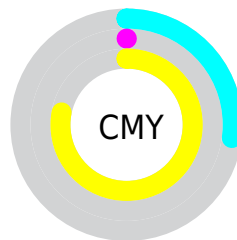
- Red (73%)
- Green (100%)
- Blue (22%)



- Red (22%)
- Yellow (100%)
- Blue (49%)



- Cyan (27%)
- Magenta (0%)
- Yellow (78%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.6993, 82.2349, 16.4990 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 56.6993, 82.2349, 16.4990 by changing the saturation by 10% instead.


 56.6993, 82.2349,
16.4990


 56.6993, 82.2349,
16.4990


402.3540,
502.4331, 244.2139

 41.0031, 61.5592,
9.7198


 99.1602, 136.5034,
38.2411

 28.5092, 44.6766,
5.1104


 126.6556,
170.8649, 54.0411


 18.8522, 31.2028,
2.2523

 158.8147,
210.5571, 73.6851

 11.6669, 20.7533,
0.7043

 196.0029,
255.9645, 97.5916

 6.5879, 12.9438,
0.0000

 238.5856,
307.4714, 126.1792

 3.2498, 7.3899,
0.0000

286.9281,

 1.2872, 3.7071,

365.4622, 159.8664

0.0000

341.3958,
430.3213, 199.0718

■ 0.1736, 1.5111,
0.0000

■ 0.0000, 0.2965,
0.0000

■ 56.6993, 82.2349,
16.4990

■ 56.6993, 82.2349,
16.4990

■ 54.1656, 80.9821,
13.9720

■ 59.6803, 83.6819,
20.6952

■ 52.0165, 79.8980,
12.7954

■ 63.1531, 85.3411,
26.7822

■ 51.7007, 79.7377,
12.6660

■ 67.1563, 87.2281,
34.9514

■ 71.7237, 89.3569,
45.3698

■ 76.8860, 91.7397,
58.1877

■ 82.6712, 94.3883,
73.5420

■ 89.1054, 97.3131,
91.5598

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.



77.7654, 82.2349, 11.1879



56.6993, 82.2349, 16.4990



44.0368, 82.2349, 38.3262

Triad

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



56.6993, 82.2349, 16.4990



57.2564, 82.2349, 264.6931



135.0727, 82.2349, 88.4074

Complementary

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



56.6993, 82.2349, 16.4990



27.7302, 14.2391, 95.8946

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.



126.4976, 82.2349, 173.3622



56.6993, 82.2349, 16.4990



78.5596, 82.2349, 302.2377

Square

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



56.6993, 82.2349, 16.4990



44.3083, 82.2349, 176.4401



104.4539, 82.2349, 262.3575



125.9510, 82.2349, 37.2183

Rectangle

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



56.6993, 82.2349, 16.4990



40.4281, 82.2349, 69.1191



104.4539, 82.2349, 262.3575



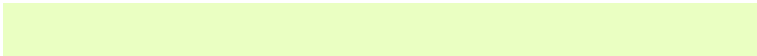
134.1480, 82.2349, 113.6319

Sweetspot

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



56.6994, 82.2350, 16.5002



79.3691, 92.8790, 64.6655



48.8492, 35.3748, 7.8690



16.5585, 19.6828, 12.7169



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.



56.6994, 82.2350, 16.5002



52.9274, 80.3599, 13.1847



40.5067, 73.8873, 15.7424



18.9171, 20.7587, 19.1541



27.1816, 41.7507, 6.6261



2.7642, 4.1258, 0.6507

Inverse Universe

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



27.7302, 14.2391, 95.8946



23.2622, 10.1669, 95.3441



49.4393, 25.4305, 96.9106



17.5939, 17.6824, 22.7357



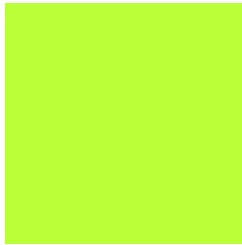
11.6772, 4.9303, 49.7708



1.2491, 0.5378, 4.8513

Previews

White Background



This preview shows how the XYZ color 56.6993, 82.2349, 16.4990 looks on a white background.

Color Contrast Check

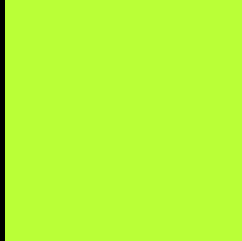
Large Text (above 18pt) WCAG AA × Fail

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 56.6993, 82.2349, 16.4990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

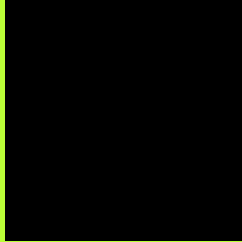
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.6993, 82.2349, 16.4990

Background



This preview shows how black text looks on a background with the XYZ color 56.6993, 82.2349, 16.4990.

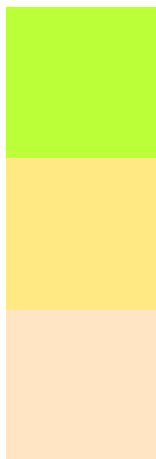


This preview shows how white text looks on a background with the XYZ color 56.6993, 82.2349,

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

56.6993, 82.2349, 16.4990

Protanopia

74.4756, 81.1765, 33.2161

Deuteranopia

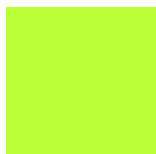
79.2231, 81.2841, 63.7385



Tritanopia

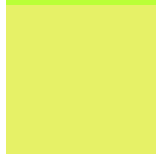
75.1982, 81.6373, 106.4019

Trichromacy



Original Color

56.6993, 82.2349, 16.4990



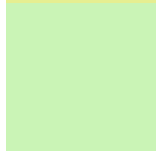
Protanomaly

66.5366, 80.7129, 24.9043



Deuteranomaly

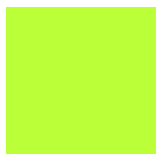
68.3185, 80.0164, 38.6320



Tritanomaly

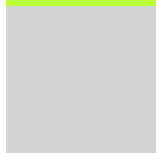
65.1513, 80.6353, 56.3863

Monochromacy



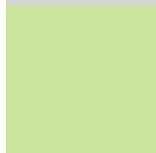
Original Color

56.6993, 82.2349, 16.4990



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

58.2884, 70.5499, 41.5557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.6993, 82.2349, 16.4990 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(186, 255, 55)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 55)  
}
```

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(186, 255, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 55) }
```

Border

The CSS property to change the border of an element to XYZ 56.6993, 82.2349, 16.4990 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(186, 255, 55) }
```


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

```
.border{ border-color:rgb(186, 255, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 255, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 55);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 56.6993, 82.2349, 16.4990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 255, 55) }
```

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

```
.background{ background-color: rgb(186,  
255, 55) }
```

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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