

Converting Colors

XYZ(56.5199, 82.1531, 16.0102)

Have a look what the booklet for
XYZ(56.5199, 82.1531, 16.0102)
contains.

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Color

**XYZ(56.6072, 82.1981,
16.0143)**

Conversions

Conversions Part 1

Format	Color
Hex	BAFF33
RGB	186, 255, 51
RGB Percent	73%, 100%, 20%
CMY	0.2706, 0.0000, 0.8000
CMYK	0.27, 0.00, 0.80, 0.00
HSL	80°, 100%, 60%
HSV	80°, 80%, 100%
XYZ	56.6072, 82.1981, 16.0143
YIQ	211.1130, 24.3600, -78.0720

Conversions

Conversions Part 2

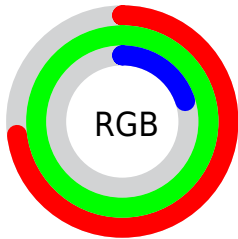
Format	Color
RYB	51, 255, 120
Decimal	12255027
CIELab	92.66, -47.70, 81.78
CIELCh	93, 94.670, 120.252
Yxy	82.1981, 0.3656, 0.5309
Android (android.graphics.Color)	4290445107 (0xFFBAFF33)
YUV	211.1130, -78.9357, -22.0241
Hunter-Lab	90.6632, -47.2108, 52.9915

Details

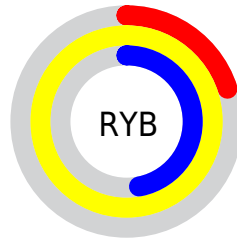
The XYZ color **56.6072, 82.1981, 16.0143** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **26.9815, 13.5824, 95.8073**, and the grayscale version is **62.4861, 65.7403, 71.5912**.

A 20% lighter version of the original color is **76.8605, 92.3506, 29.9941**, and **28.9465, 44.9002, 7.1410** is the 20% darker color. If you saturate the color by 10%, you get **54.1577, 80.9835, 13.7258**, and if you desaturate by 10%, it is **59.4912, 83.6011, 19.9320**.

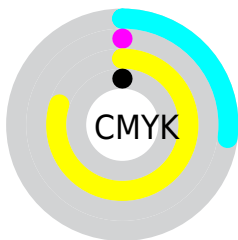
Distribution



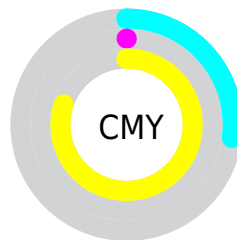
- Red (73%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (47%)



- Cyan (27%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.6072, 82.1981, 16.0143 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 56.6072, 82.1981, 16.0143 by changing the saturation by 10% instead.


 56.6072, 82.1981,
16.0143


 56.6072, 82.1981,
16.0143


402.0138,
502.3101, 241.2747


 40.9289, 61.5288,
9.3798


 99.0265, 136.4518,
37.3902


 28.4509, 44.6521,
4.8896


 126.4981,
170.8050, 52.9686

 18.8080, 31.1835,
2.1250


 158.6316,
210.4883, 72.3655

 11.6348, 20.7386,
0.6306

 195.7923,
255.8861, 95.9993

 6.5660, 12.9331,
0.0000

 238.3455,
307.3827, 124.2885

 3.2361, 7.3825,
0.0000

286.6566,

 1.2798, 3.7024,

365.3627, 157.6518

0.0000

341.0909,
430.2104, 196.5077

■ 0.1680, 1.5085,
0.0000

■ 0.0000, 0.2947,
0.0000

■ 56.6072, 82.1981,
16.0143

■ 56.6072, 82.1981,
16.0143

■ 54.1577, 80.9835,
13.7258

■ 59.4912, 83.6011,
19.9320

■ 52.0683, 79.9272,
12.6835

■ 62.8556, 85.2112,
25.7076

■ 52.0675, 79.9268,
12.6832

■ 66.7397, 87.0442,
33.5371

■ 71.1778, 89.1142,
43.5907

■ 76.2008, 91.4338,
56.0208

■ 81.8371, 94.0144,
70.9665

■ 88.1130, 96.8669,
88.5559

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.



77.9184, 82.1981, 10.8348



56.6072, 82.1981, 16.0143



43.7914, 82.1981, 37.6480

Triad

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



56.6072, 82.1981, 16.0143



56.8992, 82.1981, 266.5349



135.7212, 82.1981, 88.9035

Complementary

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



56.6072, 82.1981, 16.0143



26.9815, 13.5824, 95.8073

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.



126.8985, 82.1981, 175.1096



56.6072, 82.1981, 16.0143



78.3357, 82.1981, 305.2807

Square

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



56.6072, 82.1981, 16.0143



43.9334, 82.1981, 176.7336



104.5075, 82.1981, 265.2999



126.6104, 82.1981, 37.0699

Rectangle

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



56.6072, 82.1981, 16.0143



40.1199, 82.1981, 68.4377



104.5075, 82.1981, 265.2999



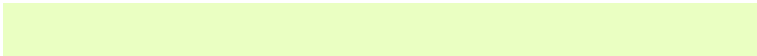
134.7359, 82.1981, 114.4924

Sweetspot

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



56.6073, 82.1981, 16.0155



79.5050, 92.9491, 64.6719



48.4354, 34.6944, 7.2770



16.5913, 19.6997, 12.7184



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.



56.6073, 82.1981, 16.0155



52.8720, 80.3351, 13.0125



40.1049, 73.6908, 15.2432



18.9294, 20.7651, 19.1547



27.3722, 41.8489, 6.6350



2.7818, 4.1348, 0.6515

Inverse Universe

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



26.9815, 13.5824, 95.8073



22.6754, 9.7688, 95.2982



49.0536, 24.9610, 96.8403



17.5821, 17.6763, 22.7351



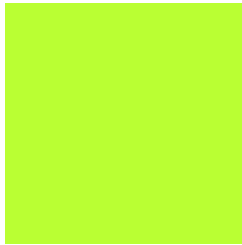
11.5911, 4.8859, 49.7667



1.2397, 0.5330, 4.8508

Previews

White Background



This preview shows how the XYZ color 56.6072, 82.1981, 16.0143 looks on a white background.

Color Contrast Check

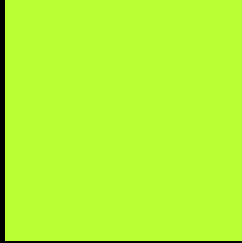
Large Text (above 18pt) WCAG AA × Fail

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 56.6072, 82.1981, 16.0143 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 56.6072, 82.1981, 16.0143

Background



This preview shows how black text looks on a background with the XYZ color 56.6072, 82.1981, 16.0143.

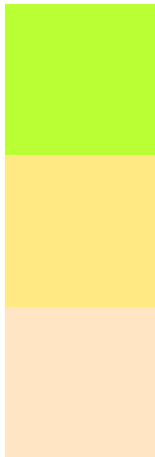


This preview shows how white text looks on a background with the XYZ color 56.6072, 82.1981,

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

56.6072, 82.1981, 16.0143

Protanopia

74.4082, 81.1495, 32.8608

Deuteranopia

79.2231, 81.2841, 63.7385



Tritanopia

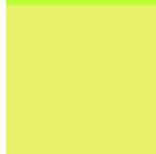
75.1982, 81.6373, 106.4019

Trichromacy



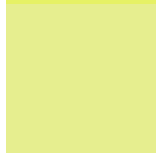
Original Color

56.6072, 82.1981, 16.0143



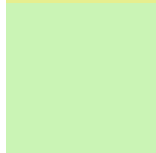
Protanomaly

66.4374, 80.6732, 24.3818



Deuteranomaly

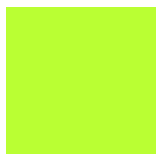
68.1656, 79.9552, 37.8268



Tritanomaly

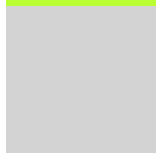
65.0483, 80.5941, 55.8439

Monochromacy



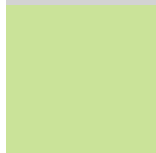
Original Color

56.6072, 82.1981, 16.0143



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

57.5760, 69.7946, 40.5741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.6072, 82.1981, 16.0143 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 56.6072, 82.1981, 16.0143 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, 51) }
```


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

```
.border{ border-color:rgb(186, 255, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 56.6072, 82.1981, 16.0143 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, 51) }
```

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

```
.background{ background-color: rgb(186,  
255, 51) }
```

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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