

Converting Colors

XYZ(59.0096, 87.5265, 15.5455)

Have a look what the booklet for
XYZ(59.0096, 87.5265, 15.5455)
contains.

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Color

**XYZ(56.3436, 82.0927,
14.6261)**

Conversions

Conversions Part 1

Format	Color
Hex	BAFF25
RGB	186, 255, 37
RGB Percent	73%, 100%, 15%
CMY	0.2706, 0.0000, 0.8548
CMYK	0.27, 0.00, 0.85, 0.00
HSL	79°, 100%, 57%
HSV	79°, 85%, 100%
XYZ	56.3436, 82.0927, 14.6261
YIQ	209.5170, 28.8540, -82.4260

Conversions

Conversions Part 2

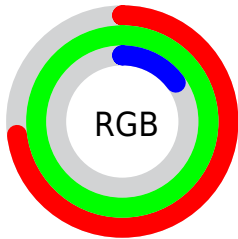
Format	Color
RYB	37, 255, 106
Decimal	12255013
CIELab	92.62, -48.15, 84.84
CIElCh	93, 97.551, 119.576
Yxy	82.0927, 0.3681, 0.5363
Android (android.graphics.Color)	4290445093 (0xFFBAFF25)
YUV	209.5170, -85.0509, -20.6244
Hunter-Lab	90.6050, -47.5569, 53.8525

Details

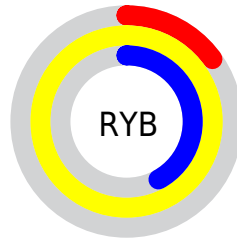
The XYZ color **56.3436, 82.0927, 14.6261** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **24.6576, 11.6091, 95.5489**, and the grayscale version is **61.4688, 64.6700, 70.4256**.

A 20% lighter version of the original color is **76.7716, 92.3557, 27.6901**, and **28.7983, 44.8238, 7.1340** is the 20% darker color. If you saturate the color by 10%, you get **54.1669, 81.0018, 13.1124**, and if you desaturate by 10%, it is **58.9100, 83.3522, 17.6154**.

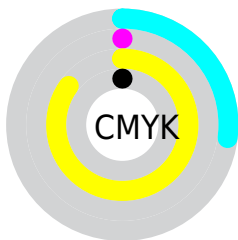
Distribution



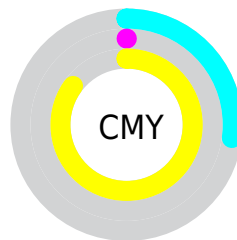
- Red (73%)
- Green (100%)
- Blue (15%)



- Red (15%)
- Yellow (100%)
- Blue (42%)



- Cyan (27%)
- Magenta (0%)
- Yellow (85%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.3436, 82.0927, 14.6261 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 56.3436, 82.0927, 14.6261 by changing the saturation by 10% instead.


 56.3436, 82.0927,
14.6261

 56.3436, 82.0927,
14.6261


401.0392,
501.9577, 232.6541


 40.7166, 61.4419,
8.4137


 98.6437, 136.3040,
34.9289


 28.2844, 44.5819,
4.2692


 126.0474,
170.6333, 49.8563


 18.6817, 31.1283,
1.7742


 158.1074,
210.2910, 68.5259

 11.5431, 20.6965,
0.4108

 195.1891,
255.6613, 91.3561

 6.5034, 12.9024,
0.0000

 237.6577,
307.1288, 118.7655

 3.1971, 7.3613,
0.0000

285.8787,

 1.2588, 3.6891,

365.0777, 151.1726

0.0000

340.2174,
429.8926, 188.9959

■ 0.1521, 1.5012,
0.0000

■ 0.0000, 0.2896,
0.0000

■ 56.3436, 82.0927,
14.6261

■ 56.3436, 82.0927,
14.6261

■ 54.1669, 81.0018,
13.1124

■ 58.9100, 83.3522,
17.6154

■ 53.2787, 80.5512,
12.7399

■ 61.9177, 84.8013,
22.3404

■ 65.4090, 86.4570,
29.0153

■ 69.4203, 88.3340,
37.8227

■ 73.9837, 90.4456,
48.9241

■ 79.1286, 92.8035,
62.4654

■ 84.8821, 95.4188,
78.5805

■ 91.2692, 98.3017,
97.3935

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.



78.3880, 82.0927, 9.8296



56.3436, 82.0927, 14.6261



43.0726, 82.0927, 35.6675

Triad

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



56.3436, 82.0927, 14.6261



55.8421, 82.0927, 272.0436



137.6680, 82.0927, 90.4223

Complementary

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



56.3436, 82.0927, 14.6261



24.6576, 11.6091, 95.5489

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.



128.0944, 82.0927, 180.4212



56.3436, 82.0927, 14.6261



77.6664, 82.0927, 314.4622

Square

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



56.3436, 82.0927, 14.6261



42.8302, 82.0927, 177.5777



104.6615, 82.0927, 274.2195



128.5972, 82.0927, 36.6464

Rectangle

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



56.3436, 82.0927, 14.6261



39.2160, 82.0927, 66.4189



104.6615, 82.0927, 274.2195



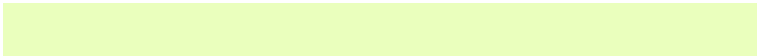
136.4979, 82.0927, 117.1150

Sweetspot

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



56.3436, 82.0927, 14.6272



78.8489, 92.6758, 61.7060



46.3659, 30.9771, 5.2868



16.4833, 19.6565, 12.1524



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.



56.3436, 82.0927, 14.6272



53.2787, 80.5512, 12.7399



39.4542, 73.3858, 13.8368



18.9692, 20.7855, 19.1566



28.0009, 42.1731, 6.6644



2.8397, 4.1647, 0.6542

Inverse Universe

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



24.6576, 11.6091, 95.5489



21.4191, 8.9569, 95.2077



45.6915, 22.4524, 96.5333



17.5441, 17.6567, 22.7334



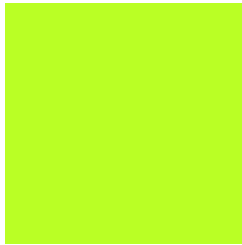
11.3277, 4.7501, 49.7544



1.2105, 0.5179, 4.8494

Previews

White Background



This preview shows how the XYZ color 56.3436, 82.0927, 14.6261 looks on a white background.

Color Contrast Check

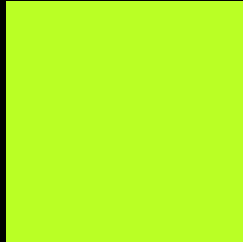
Large Text (above 18pt) WCAG AA × Fail

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 56.3436, 82.0927, 14.6261 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 56.3436, 82.0927, 14.6261

Background



This preview shows how black text looks on a background with the XYZ color 56.3436, 82.0927, 14.6261.

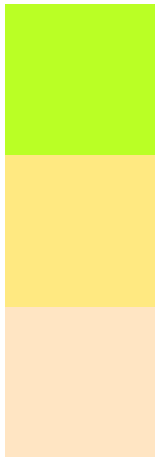


This preview shows how white text looks on a background with the XYZ color 56.3436, 82.0927,

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

56.3436, 82.0927, 14.6261

Protanopia

74.3414, 81.1228, 32.5089

Deuteranopia

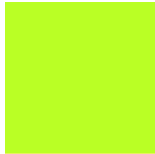
79.1096, 81.2388, 63.1409



Tritanopia

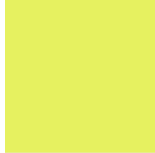
75.1982, 81.6373, 106.4019

Trichromacy



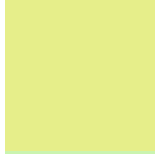
Original Color

56.3436, 82.0927, 14.6261



Protanomaly

66.1997, 80.5781, 23.1304



Deuteranomaly

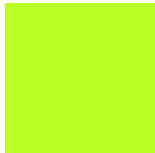
67.7951, 79.8070, 35.8759



Tritanomaly

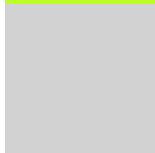
64.5443, 80.3925, 53.1898

Monochromacy



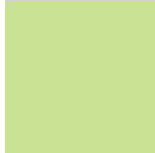
Original Color

56.3436, 82.0927, 14.6261



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

56.5502, 68.9168, 37.9255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.3436, 82.0927, 14.6261 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, 37)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 37)  
}
```

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, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 37) }
```

Border

The CSS property to change the border of an element to XYZ 56.3436, 82.0927, 14.6261 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, 37) }
```


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

```
.border{ border-color:rgb(186, 255, 37) }
```

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, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 37);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 56.3436, 82.0927, 14.6261 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, 37) }
```

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

```
.background{ background-color: rgb(186,  
255, 37) }
```

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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