

Converting Colors

XYZ(57.5720, 82.6743, 17.0160)

Have a look what the booklet for
XYZ(57.5720, 82.6743, 17.0160)
contains.

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Color

**XYZ(57.5357, 82.6546,
17.0592)**

Conversions

Conversions Part 1

Format	Color
Hex	BDF3B
RGB	189, 255, 59
RGB Percent	74%, 100%, 23%
CMY	0.2588, 0.0000, 0.7686
CMYK	0.26, 0.00, 0.77, 0.00
HSL	80°, 100%, 62%
HSV	80°, 77%, 100%
XYZ	57.5357, 82.6546, 17.0592
YIQ	212.9220, 23.5800, -74.9480

Conversions

Conversions Part 2

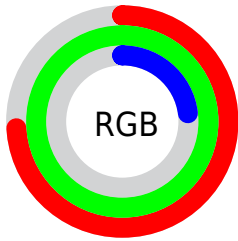
Format	Color
RYB	59, 255, 125
Decimal	12451643
CIELab	92.86, -46.27, 79.88
CIELCh	93, 92.311, 120.085
Yxy	82.6546, 0.3659, 0.5256
Android (android.graphics.Color)	4290641723 (0xFFBDF3B)
YUV	212.9220, -75.8835, -20.9796
Hunter-Lab	90.9146, -46.1360, 52.5150

Details

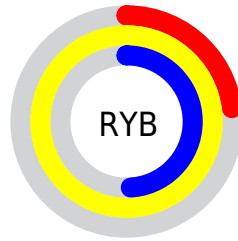
The XYZ color **57.5357, 82.6546, 17.0592** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **28.0732, 14.7095, 95.9673**, and the grayscale version is **63.6744, 66.9904, 72.9525**.

A 20% lighter version of the original color is **78.2781, 93.0402, 31.9220**, and **29.4000, 45.1340, 7.1622** is the 20% darker color. If you saturate the color by 10%, you get **54.9602, 81.3855, 14.2888**, and if you desaturate by 10%, it is **60.5601, 84.1178, 21.5369**.

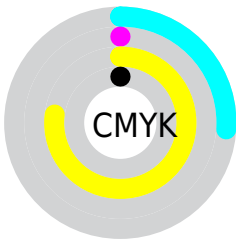
Distribution



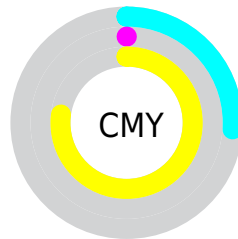
- Red (74%)
- Green (100%)
- Blue (23%)



- Red (23%)
- Yellow (100%)
- Blue (49%)



- Cyan (26%)
- Magenta (0%)
- Yellow (77%)
- Black (0%)



- Cyan (26%)
- Magenta (0%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.5357, 82.6546, 17.0592 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 57.5357, 82.6546, 17.0592 by changing the saturation by 10% instead.


 57.5357, 82.6546,
17.0592

 57.5357, 82.6546,
17.0592

405.4354,
503.8347, 247.5688

 41.6773, 61.9053,
10.1143


 100.3733,
137.0916, 39.2196

 29.0387, 44.9561,
5.3682


 128.0832,
171.5480, 55.2721


 19.2545, 31.4229,
2.4024


 160.4743,
211.3423, 75.1977

 11.9594, 20.9211,
0.7877

 197.9120,
256.8588, 99.4147

 6.7881, 13.0663,
0.0000

 240.7615,
308.4818, 128.3418

 3.3751, 7.4742,
0.0000

289.3884,

 1.3551, 3.7604,

366.5959, 162.3975

0.0000

344.1579,
431.5854, 202.0003

0.2239, 1.5405,
0.0000

0.0000, 0.3170,
0.0000

57.5357, 82.6546,
17.0592

57.5357, 82.6546,
17.0592

54.9602, 81.3855,
14.2888

60.5601, 84.1178,
21.5369

52.7788, 80.2884,
12.9455

64.0769, 85.7927,
27.9368

52.1497, 79.9692,
12.6870

68.1233, 87.6946,
36.4462

72.7326, 89.8369,
47.2291

■ 77.9349, 92.2319,
60.4334

■ 83.7577, 94.8908,
76.1945

■ 90.2266, 97.8241,
94.6376

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.



78.4923, 82.6546, 11.8112



57.5357, 82.6546, 17.0592



44.8365, 82.6546, 38.6889

Triad

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



57.5357, 82.6546, 17.0592



57.6320, 82.6546, 261.1246



134.6448, 82.6546, 89.8010

Complementary

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



57.5357, 82.6546, 17.0592



28.0732, 14.7095, 95.9673

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.



125.9900, 82.6546, 173.7908



57.5357, 82.6546, 17.0592



78.6292, 82.6546, 298.7939

Square

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



57.5357, 82.6546, 17.0592



44.8836, 82.6546, 174.3177



104.1697, 82.6546, 260.7262



125.8963, 82.6546, 38.4959

Rectangle

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



57.5357, 82.6546, 17.0592



41.1674, 82.6546, 69.0136



104.1697, 82.6546, 260.7262



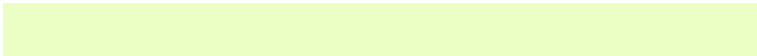
133.6554, 82.6546, 114.8528

Sweetspot

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



57.5358, 82.6546, 17.0604



80.1071, 93.2261, 66.2060



49.2799, 36.0763, 8.5050



16.7104, 19.7548, 13.0118



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.



57.5358, 82.6546, 17.0604



53.7939, 80.8018, 13.4417



40.9308, 74.0944, 16.2833



18.9322, 20.7665, 19.1548



27.4149, 41.8710, 6.6370



2.7858, 4.1369, 0.6517

Inverse Universe

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



28.0732, 14.7095, 95.9673



23.4969, 10.4099, 95.3786



49.8413, 25.9314, 96.9861



17.5794, 17.6749, 22.7350



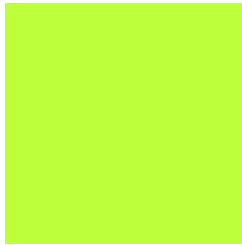
11.5722, 4.8762, 49.7659



1.2376, 0.5319, 4.8507

Previews

White Background



This preview shows how the XYZ color 57.5357, 82.6546, 17.0592 looks on a white background.

Color Contrast Check

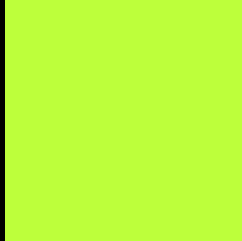
Large Text (above 18pt) WCAG AA × Fail

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 57.5357, 82.6546, 17.0592 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 57.5357, 82.6546, 17.0592

Background



This preview shows how black text looks on a background with the XYZ color 57.5357, 82.6546, 17.0592.

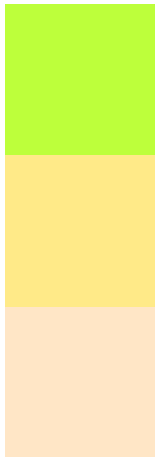


This preview shows how white text looks on a background with the XYZ color 57.5357, 82.6546,

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

57.5357, 82.6546, 17.0592

Protanopia

75.1068, 81.8832, 35.1390

Deuteranopia

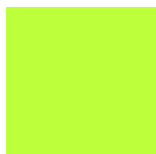
79.7299, 81.9308, 65.0381



Tritanopia

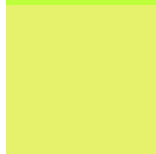
75.7748, 81.9345, 106.4289

Trichromacy



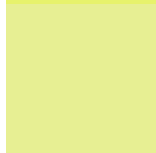
Original Color

57.5357, 82.6546, 17.0592



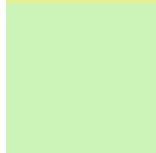
Protanomaly

67.4139, 81.5759, 26.3800



Deuteranomaly

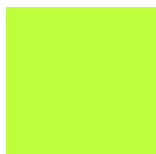
69.0880, 80.8285, 39.5639



Tritanomaly

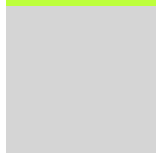
65.9043, 80.9994, 57.5083

Monochromacy



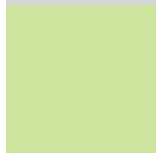
Original Color

57.5357, 82.6546, 17.0592



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

58.7310, 70.7585, 42.4606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.5357, 82.6546, 17.0592 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(189, 255, 59)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 59)  
}
```

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(189, 255, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 59) }
```

Border

The CSS property to change the border of an element to XYZ 57.5357, 82.6546, 17.0592 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(189, 255, 59) }
```


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

```
.border{ border-color:rgb(189, 255, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 255, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 59);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 57.5357, 82.6546, 17.0592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 59) }
```

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

```
.background{ background-color: rgb(189,  
255, 59) }
```

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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