

Converting Colors

XYZ(57.3906, 82.6193, 15.2694)

Have a look what the booklet for
XYZ(57.3906, 82.6193, 15.2694)
contains.

XYZ(57.4498, 82.6490, 15.3078)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(57.4498, 82.6490,
15.3078)**

Conversions

Conversions Part 1

Format	Color
Hex	BEFF2C
RGB	190, 255, 44
RGB Percent	75%, 100%, 17%
CMY	0.2549, 0.0000, 0.8274
CMYK	0.25, 0.00, 0.83, 0.00
HSL	78°, 100%, 59%
HSV	78°, 83%, 100%
XYZ	57.4498, 82.6490, 15.3078
YIQ	211.5110, 28.9910, -79.4010

Conversions

Conversions Part 2

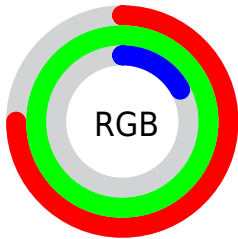
Format	Color
RYB	44, 255, 109
Decimal	12517164
CIELab	92.86, -46.47, 83.70
CIElCh	93, 95.732, 119.042
Yxy	82.6490, 0.3697, 0.5318
Android (android.graphics.Color)	4290707244 (0xFFBEFF2C)
YUV	211.5110, -82.5829, -18.8651
Hunter-Lab	90.9115, -46.2954, 53.6547

Details

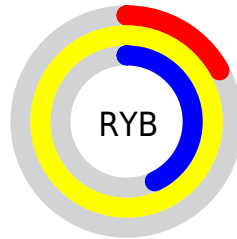
The XYZ color **57.4498, 82.6490, 15.3078** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **25.2593, 12.2742, 95.6456**, and the grayscale version is **62.7721, 66.0411, 71.9188**.

A 20% lighter version of the original color is **78.4129, 93.1769, 28.8911**, and **29.5542, 45.2135, 7.1694** is the 20% darker color. If you saturate the color by 10%, you get **55.1987, 81.5279, 13.4216**, and if you desaturate by 10%, it is **60.1007, 83.9422, 18.7487**.

Distribution



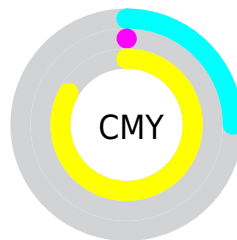
- Red (75%)
- Green (100%)
- Blue (17%)



- Red (17%)
- Yellow (100%)
- Blue (43%)



- Cyan (25%)
- Magenta (0%)
- Yellow (83%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.4498, 82.6490, 15.3078 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 57.4498, 82.6490, 15.3078 by changing the saturation by 10% instead.


 57.4498, 82.6490,
15.3078

 57.4498, 82.6490,
15.3078


405.1196,
503.8160, 236.9264

 41.6080, 61.9006,
8.8867


 100.2488,
137.0837, 36.1422

 28.9843, 44.9524,
4.5715


 127.9367,
171.5389, 51.3925


 19.2131, 31.4199,
1.9438


 160.3041,
211.3318, 70.4229

 11.9293, 20.9188,
0.5204

 197.7162,
256.8468, 93.6521

 6.7674, 13.0647,
0.0000

 240.5384,
308.4684, 121.4985

 3.3621, 7.4731,
0.0000

289.1362,

 1.3480, 3.7597,

366.5808, 154.3806

0.0000

343.8748,
431.5685, 192.7171

■ 0.2187, 1.5401,
0.0000

■ 0.0000, 0.3167,
0.0000

■ 57.4498, 82.6490,
15.3078

■ 57.4498, 82.6490,
15.3078

■ 55.1987, 81.5279,
13.4216

■ 60.1007, 83.9422,
18.7487

■ 53.7642, 80.8015,
12.7626

■ 63.1996, 85.4269,
23.9873

■ 66.7867, 87.1196,
31.2283

■ 70.8970, 89.0343,
40.6476

■ 75.5618, 91.1838,
52.4020

■ 80.8096, 93.5795,
66.6339

■ 86.6666, 96.2323,
83.4742

■ 93.1574, 99.1520,
103.0448

■ 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.



79.3619, 82.6490, 10.5885



57.4498, 82.6490, 15.3078



44.1169, 82.6490, 36.1163

Triad

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



57.4498, 82.6490, 15.3078



56.3271, 82.6490, 267.2548



137.1033, 82.6490, 92.3123

Complementary

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



57.4498, 82.6490, 15.3078



25.2593, 12.2742, 95.6456

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.



127.4215, 82.6490, 181.0353



57.4498, 82.6490, 15.3078



77.7544, 82.6490, 309.8228

Square

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



57.4498, 82.6490, 15.3078



43.5720, 82.6490, 174.7556



104.2845, 82.6490, 272.0391



128.5344, 82.6490, 38.3294

Rectangle

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



57.4498, 82.6490, 15.3078



40.1749, 82.6490, 66.2715



104.2845, 82.6490, 272.0391



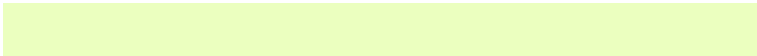
135.8461, 82.6490, 118.7855

Sweetspot

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



57.4499, 82.6490, 15.3089



79.5715, 93.0161, 63.1946



46.9847, 32.0217, 6.0885



16.6326, 19.7273, 12.4374



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.



57.4499, 82.6490, 15.3089



53.9569, 80.8992, 12.8445



40.0719, 73.6903, 14.4957



18.9847, 20.7935, 19.1573



28.2528, 42.3029, 6.6762



2.8628, 4.1766, 0.6553

Inverse Universe

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



25.2593, 12.2742, 95.6456



21.4134, 8.9950, 95.2153



46.3344, 23.1388, 96.6319



17.5293, 17.6491, 22.7327



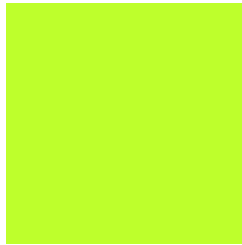
11.2304, 4.7000, 49.7499



1.1995, 0.5123, 4.8489

Previews

White Background



This preview shows how the XYZ color 57.4498, 82.6490, 15.3078 looks on a white background.

Color Contrast Check

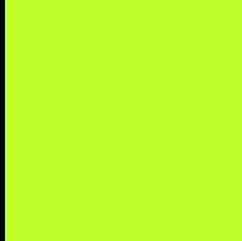
Large Text (above 18pt) WCAG AA × Fail

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 57.4498, 82.6490, 15.3078 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 57.4498, 82.6490, 15.3078

Background



This preview shows how black text looks on a background with the XYZ color 57.4498, 82.6490, 15.3078.

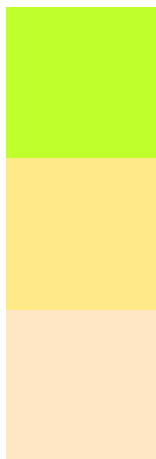


This preview shows how white text looks on a background with the XYZ color 57.4498, 82.6490,

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

57.4498, 82.6490, 15.3078

Protanopia

75.0360, 81.8549, 34.7664

Deuteranopia

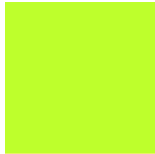
79.6149, 81.8848, 64.4325



Tritanopia

76.0657, 82.0845, 106.4425

Trichromacy



Original Color

57.4498, 82.6490, 15.3078



Protanomaly

67.1054, 81.4525, 24.7554



Deuteranomaly

68.6292, 80.6450, 37.1482



Tritanomaly

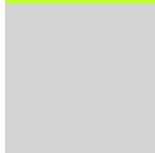
65.5634, 80.8949, 54.2782

Monochromacy



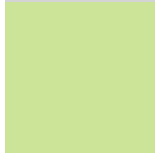
Original Color

57.4498, 82.6490, 15.3078



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

58.2312, 70.5585, 39.8282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.4498, 82.6490, 15.3078 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(190, 255, 44)` looks like.

```
.text, #text, p{  
    color:rgb(190, 255, 44)  
}
```

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(190, 255, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 44) }
```

Border

The CSS property to change the border of an element to XYZ 57.4498, 82.6490, 15.3078 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(190, 255, 44) }
```


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

```
.border{ border-color:rgb(190, 255, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 255, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 44);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 57.4498, 82.6490, 15.3078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 255, 44) }
```

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

```
.background{ background-color: rgb(190,  
255, 44) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor