

Converting Colors

XYZ(58.4449, 82.9371, 25.4996)

Have a look what the booklet for
XYZ(58.4449, 82.9371, 25.4996)
contains.

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Color

**XYZ(58.4080, 82.9184,
25.4968)**

Conversions

Conversions Part 1

Format	Color
Hex	BAFF66
RGB	186, 255, 102
RGB Percent	73%, 100%, 40%
CMY	0.2706, 0.0000, 0.6000
CMYK	0.27, 0.00, 0.60, 0.00
HSL	87°, 100%, 70%
HSV	87°, 60%, 100%
XYZ	58.4080, 82.9184, 25.4968
YIQ	216.9270, 7.9890, -62.2110

Conversions

Conversions Part 2

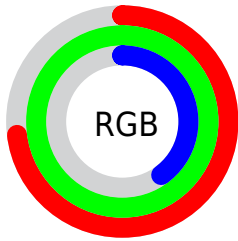
Format	Color
RYB	102, 255, 171
Decimal	12255078
CIELab	92.98, -44.65, 64.62
CIElCh	93, 78.543, 124.640
Yxy	82.9184, 0.3501, 0.4970
Android (android.graphics.Color)	4290445158 (0xFFBAFF66)
YUV	216.9270, -56.6590, -27.1230
Hunter-Lab	91.0595, -44.8596, 47.1404

Details

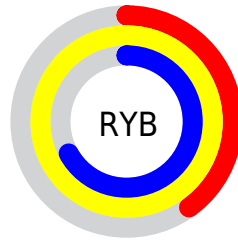
The XYZ color **58.4080, 82.9184, 25.4968** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **39.5974, 25.3821, 97.4200**, and the grayscale version is **66.2753, 69.7268, 75.9325**.

A 20% lighter version of the original color is **79.5877, 93.4011, 46.1812**, and **29.7020, 45.2371, 9.5491** is the 20% darker color. If you saturate the color by 10%, you get **54.6492, 81.1050, 19.7043**, and if you desaturate by 10%, it is **62.7809, 85.0035, 33.3499**.

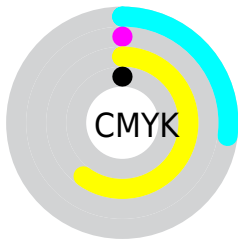
Distribution



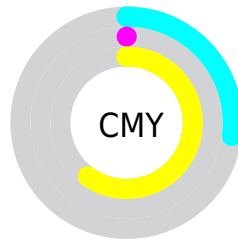
- Red (73%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (67%)



- Cyan (27%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.4080, 82.9184, 25.4968 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 58.4080, 82.9184, 25.4968 by changing the saturation by 10% instead.


 58.4080, 82.9184,
25.4968

 58.4080, 82.9184,
25.4968


408.6339,
504.7145, 293.8296


 42.3813, 62.1228,
16.2252


 101.6363,
137.4612, 53.4361

 29.5924, 45.1320,
9.5276


 129.5686,
171.9772, 72.9409

 19.6759, 31.5614,
4.9854


 162.2002,
211.8354, 96.6938

 12.2666, 21.0267,
2.1801

 199.8963,
257.4203, 125.1135

 6.9990, 13.1435,
0.6628

243.0224,
309.1163, 158.6183

 3.5078, 7.5274,
0.0000

291.9438,

 1.4276, 3.7941,

367.3077, 197.6269

0.0000

347.0258,
432.3790, 242.5578

■ 0.2758, 1.5591,
0.0000

■ 0.0000, 0.3298,
0.0000

■ 58.4080, 82.9184,
25.4968

■ 58.4080, 82.9184,
25.4968

■ 54.6492, 81.1050,
19.7043

■ 62.7809, 85.0035,
33.3499

■ 51.4618, 79.5455,
15.7740

■ 67.8048, 87.3755,
43.4304

■ 48.7963, 78.2195,
13.4746

■ 73.5137, 90.0486,
55.8921

■ 46.5750, 77.0953,
12.4263

■ 79.9388, 93.0359,
70.8741

■ 46.5746, 77.0952,
12.4261

■ 87.1090, 96.3495,
88.5048

95.0500, 100.0000,
108.9000

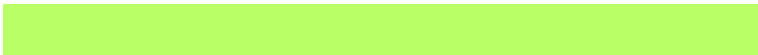
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.6564, 82.9184, 17.9229



58.4080, 82.9184, 25.4968



48.2135, 82.9184, 49.9553

Triad

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



58.4080, 82.9184, 25.4968



63.0629, 82.9184, 236.1062



125.1470, 82.9184, 81.4310

Complementary

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



58.4080, 82.9184, 25.4968



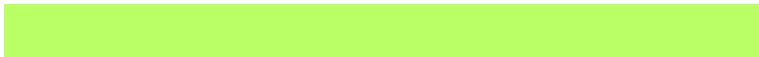
39.5974, 25.3821, 97.4200

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.



120.2047, 82.9184, 147.9767



58.4080, 82.9184, 25.4968



82.0531, 82.9184, 256.6818

Square

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



58.4080, 82.9184, 25.4968



50.5551, 82.9184, 171.1438



103.4865, 82.9184, 219.1438



116.0167, 82.9184, 40.0078

Rectangle

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



58.4080, 82.9184, 25.4968



45.6399, 82.9184, 80.1156



103.4865, 82.9184, 219.1438



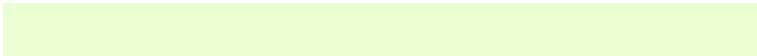
125.0881, 82.9184, 101.2784

Sweetspot

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



58.4082, 82.9185, 25.4980



81.3111, 93.6715, 74.1814



58.1736, 51.2895, 19.4054



16.9783, 19.8524, 14.8545



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.



58.4082, 82.9185, 25.4980



53.9669, 80.7731, 18.7752



44.5460, 75.7723, 24.8493



18.7249, 20.6596, 19.1451



24.5108, 40.3738, 6.5011



2.5124, 3.9960, 0.6389

Inverse Universe

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



39.5974, 25.3821, 97.4200



33.6938, 18.6674, 96.4351



61.2832, 36.5615, 98.4348



17.7810, 17.7788, 22.7444



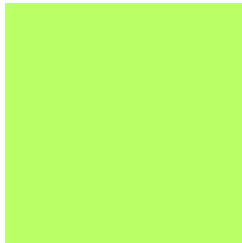
13.2926, 5.7630, 49.8464



1.4180, 0.6249, 4.8592

Previews

White Background



This preview shows how the XYZ color 58.4080, 82.9184, 25.4968 looks on a white background.

Color Contrast Check

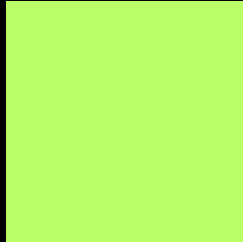
Large Text (above 18pt) WCAG AA × Fail

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 58.4080, 82.9184, 25.4968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

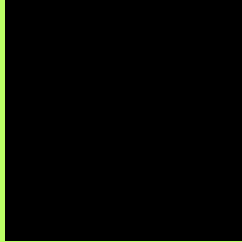
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.4080, 82.9184, 25.4968

Background



This preview shows how black text looks on a background with the XYZ color 58.4080, 82.9184, 25.4968.



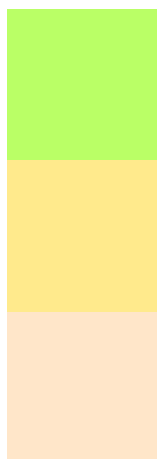
This preview shows how white text looks on a background with the XYZ color 58.4080, 82.9184,

25.4968.

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

58.4080, 82.9184, 25.4968

Protanopia

75.3964, 81.9991, 36.6645

Deuteranopia

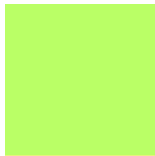
80.0794, 82.0707, 66.8789



Tritanopia

75.4885, 82.2180, 106.4987

Trichromacy



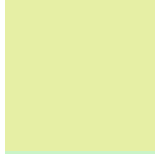
Original Color

58.4080, 82.9184, 25.4968



Protanomaly

68.1512, 81.8336, 31.9422



Deuteranomaly

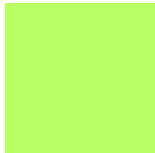
70.2912, 81.2726, 47.5798



Tritanomaly

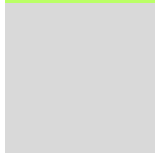
67.0166, 81.3814, 66.2089

Monochromacy



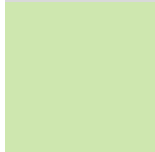
Original Color

58.4080, 82.9184, 25.4968



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

61.7674, 73.3688, 51.4635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4080, 82.9184, 25.4968 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 102) }
```

Border

The CSS property to change the border of an element to XYZ 58.4080, 82.9184, 25.4968 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, 102) }
```


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

```
.border{ border-color:rgb(186, 255, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4080, 82.9184, 25.4968 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, 102) }
```

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

```
.background{ background-color: rgb(186,  
255, 102) }
```

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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