

Converting Colors

XYZ(59.7718, 83.1385, 33.3531)

Have a look what the booklet for
XYZ(59.7718, 83.1385, 33.3531)
contains.

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Color

**XYZ(59.5878, 82.8812,
33.2791)**

Conversions

Conversions Part 1

Format	Color
Hex	BAFE80
RGB	186, 254, 128
RGB Percent	73%, 100%, 50%
CMY	0.2706, 0.0039, 0.4980
CMYK	0.27, 0.00, 0.50, 0.00
HSL	92°, 98%, 75%
HSV	92°, 50%, 100%
XYZ	59.5878, 82.8812, 33.2791
YIQ	219.3040, -0.0820, -53.6020

Conversions

Conversions Part 2

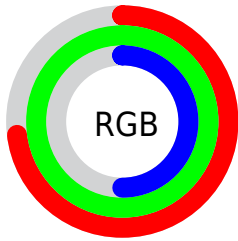
Format	Color
RYB	128, 254, 196
Decimal	12254848
CIELab	92.96, -41.73, 53.15
CIELCh	93, 67.572, 128.140
Yxy	82.8812, 0.3391, 0.4716
Android (android.graphics.Color)	4290444928 (0xFFBAFE80)
YUV	219.3040, -45.0129, -29.2076
Hunter-Lab	91.0391, -42.4849, 42.0541

Details

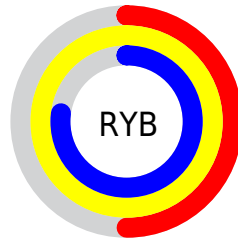
The XYZ color **59.5878, 82.8812, 33.2791** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **48.3770, 34.3322, 97.8475**, and the grayscale version is **67.8480, 71.3814, 77.7343**.

A 20% lighter version of the original color is **81.6155, 94.1720, 58.6752**, and **30.4422, 45.1863, 13.7740** is the 20% darker color. If you saturate the color by 10%, you get **54.9491, 80.6620, 25.4009**, and if you desaturate by 10%, it is **64.9686, 85.4397, 43.3795**.

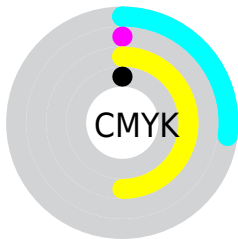
Distribution



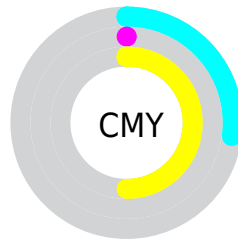
- Red (73%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (77%)



- Cyan (27%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.5878, 82.8812, 33.2791 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 59.5878, 82.8812, 33.2791 by changing the saturation by 10% instead.


 59.5878, 82.8812,
33.2791


 59.5878, 82.8812,
33.2791


412.9359,
504.5905, 331.5760


 43.3347, 62.0922,
22.0675


 103.3412,
137.4091, 65.9321

 30.3434, 45.1072,
13.7077


 131.5723,
171.9167, 88.2105

 20.2488, 31.5418,
7.7812


 164.5266,
211.7659, 115.0149

 12.6853, 21.0118,
3.8695

202.5697,
257.3412, 146.7638

 7.2877, 13.1326,
1.5540

246.0667,
309.0269, 183.8759

 3.6906, 7.5199,
0.2577

295.3832,

 1.5286, 3.7893,

367.2074, 226.7696

0.0000

350.8845,
432.2671, 275.8634

■ 0.3452, 1.5564,
0.0000

■ 0.0000, 0.3280,
0.0000

■ 59.5878, 82.8812,
33.2791

■ 59.5878, 82.8812,
33.2791

■ 54.9491, 80.6620,
25.4009

■ 64.9686, 85.4397,
43.3795

■ 51.0056, 78.7540,
19.5715

■ 71.1225, 88.3426,
55.8475

■ 47.7136, 77.1414,
15.6005

■ 78.0860, 91.6082,
70.8223

■ 45.0200, 75.8019,
13.2594

■ 85.8909, 95.2501,
88.4310

■ 42.8464, 74.7028, 94.5665, 99.2810,
12.1896 108.7867

■ 42.7682, 74.6631, 94.7335, 99.3671,
12.1573 108.7945

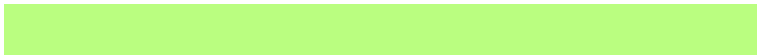
Harmonies

Analogous

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



74.0590, 82.8812, 24.0965



59.5878, 82.8812, 33.2791



51.2457, 82.8812, 58.6255

Triad

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



59.5878, 82.8812, 33.2791



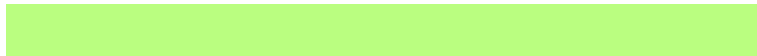
66.7823, 82.8812, 214.1457



117.4562, 82.8812, 77.1454

Complementary

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



59.5878, 82.8812, 33.2791



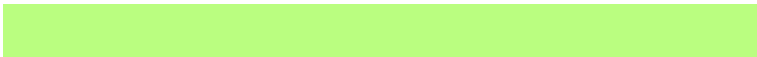
48.3770, 34.3322, 97.8475

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.



114.7339, 82.8812, 131.5728



59.5878, 82.8812, 33.2791



83.6894, 82.8812, 225.0360

Square

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



59.5878, 82.8812, 33.2791



54.9459, 82.8812, 164.7311



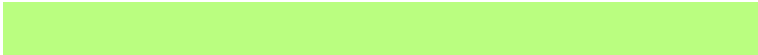
101.6961, 82.8812, 190.5397



108.6583, 82.8812, 42.4743

Rectangle

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



59.5878, 82.8812, 33.2791



49.4452, 82.8812, 87.1203



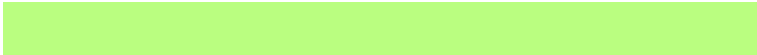
101.6961, 82.8812, 190.5397



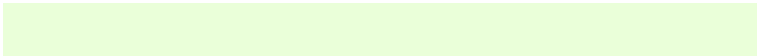
117.8805, 82.8812, 93.4406

Sweetspot

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



59.5898, 82.8848, 33.2809



82.3006, 94.0695, 79.2948



64.3325, 61.7524, 28.9520



17.2660, 19.9715, 16.1885



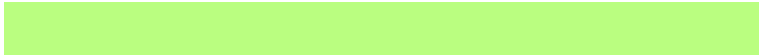
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.5898, 82.8848, 33.2809



55.2647, 81.2980, 25.3497



48.5249, 77.1480, 34.2364



18.5661, 20.5777, 19.1377



22.7127, 39.4469, 6.4169



2.3358, 3.9049, 0.6306

Inverse Universe

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



48.3770, 34.3322, 97.8475



42.7069, 26.9844, 97.5654



65.8195, 43.4010, 95.1907



17.9396, 17.8606, 22.7519



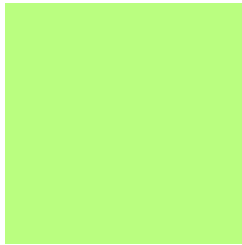
15.0503, 6.6692, 49.9286



1.5915, 0.7144, 4.8673

Previews

White Background



This preview shows how the XYZ color 59.5878, 82.8812, 33.2791 looks on a white background.

Color Contrast Check

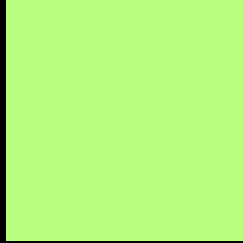
Large Text (above 18pt) WCAG AA × Fail

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 59.5878, 82.8812, 33.2791 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

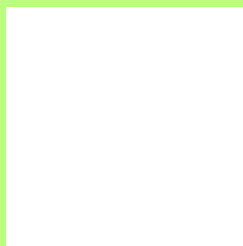
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.5878, 82.8812, 33.2791

Background



This preview shows how black text looks on a background with the XYZ color 59.5878, 82.8812, 33.2791.

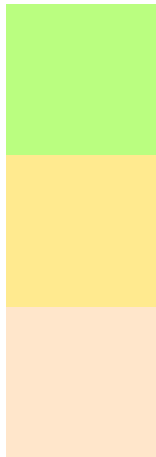


This preview shows how white text looks on a background with the XYZ color 59.5878, 82.8812,

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

59.5878, 82.8812, 33.2791

Protanopia

75.6207, 82.0888, 37.8457

Deuteranopia

80.3163, 82.1654, 68.1263



Tritanopia

75.4948, 82.6546, 106.5827

Trichromacy



Original Color

59.5878, 82.8812, 33.2791



Protanomaly

68.6759, 81.5686, 36.1695



Deuteranomaly

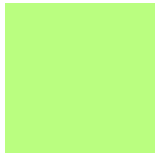
71.3361, 81.6906, 53.0823



Tritanomaly

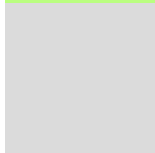
67.9467, 81.7223, 72.5144

Monochromacy



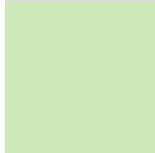
Original Color

59.5878, 82.8812, 33.2791



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

63.4517, 74.5238, 57.4946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.5878, 82.8812, 33.2791 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, 254, 128)` looks like.

```
.text, #text, p{  
    color:rgb(186, 254, 128)  
}
```

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, 254, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 254, 128) }
```

Border

The CSS property to change the border of an element to XYZ 59.5878, 82.8812, 33.2791 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, 254, 128) }
```


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

```
.border{ border-color:rgb(186, 254, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 254, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 254, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 254, 128);  
box-shadow:4px 4px 4px 4px rgb(186, 254,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 59.5878, 82.8812, 33.2791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 254, 128) }
```

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

```
.background{ background-color: rgb(186,  
254, 128) }
```

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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