

Converting Colors

XYZ(58.3600, 82.3750, 48.8071)

Have a look what the booklet for
XYZ(58.3600, 82.3750, 48.8071)
contains.

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Color

**XYZ(58.3688, 82.3802,
48.9010)**

Conversions

Conversions Part 1

Format	Color
Hex	A6FFA6
RGB	166, 255, 166
RGB Percent	65%, 100%, 65%
CMY	0.3490, 0.0000, 0.3490
CMYK	0.35, 0.00, 0.35, 0.00
HSL	120°, 100%, 83%
HSV	120°, 35%, 100%
XYZ	58.3688, 82.3802, 48.9010
YIQ	218.2430, -24.4750, -46.5470

Conversions

Conversions Part 2

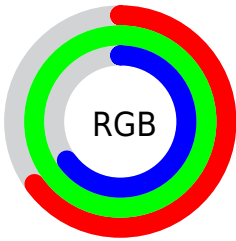
Format	Color
RYB	166, 255, 255
Decimal	10944422
CIELab	92.74, -43.72, 34.33
CIElCh	93, 55.586, 141.865
Yxy	82.3802, 0.3078, 0.4344
Android (android.graphics.Color)	4289134502 (0xFFA6FFA6)
YUV	218.2430, -25.7558, -45.8171
Hunter-Lab	90.7635, -44.0453, 31.5906

Details

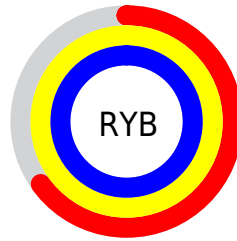
The XYZ color **58.3688, 82.3802, 48.9010** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **72.9261, 55.7526, 101.5240**, and the grayscale version is **66.9922, 70.4810, 76.7538**.

A 20% lighter version of the original color is **79.6853, 92.6412, 82.7889**, and **29.6051, 44.8954, 22.7281** is the 20% darker color. If you saturate the color by 10%, you get **51.4306, 79.0474, 37.5529**, and if you desaturate by 10%, it is **66.8314, 86.4452, 62.7436**.

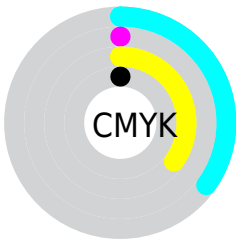
Distribution



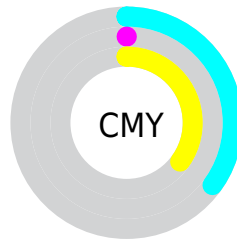
- Red (65%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)




- Cyan (35%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.3688, 82.3802, 48.9010 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 58.3688, 82.3802, 48.9010 by changing the saturation by 10% instead.


 58.3688, 82.3802,
48.9010


 58.3688, 82.3802,
48.9010


408.4905,
502.9186, 398.9637

 42.3496, 61.6790,
34.1759


 101.5796,
136.7070, 89.9239

 29.5675, 44.7734,
22.7503


 129.5019,
171.1015, 117.0587

 19.6569, 31.2789,
14.2057


162.1227,
210.8290, 149.1672

 12.2527, 20.8113,
8.1235

199.8073,
256.2742, 186.6680

 6.9895, 12.9862,
4.0852

242.9210,
307.8214, 229.9794

 3.5018, 7.4190,
1.6722


291.8292,


 1.4243, 3.7255,


365.8549, 279.5202


0.3416


346.8972,
430.7591, 335.7088


 0.2735, 1.5212,
0.0000


 0.0000, 0.3036,
0.0000


 58.3688, 82.3802,
48.9010


 58.3688, 82.3802,
48.9010


 51.4306, 79.0474,
37.5529


 66.8314, 86.4452,
62.7436

 45.9251, 76.4028,
28.5475

 76.9001, 91.2817,
79.2128

 41.7525, 74.3985,
21.7223

 88.6525, 96.9270,
98.4359

 38.8000, 72.9802,
16.8928

95.0500, 100.0000,
108.9000

■ 36.9360, 72.0849,
13.8438

■ 35.9987, 71.6346,
12.3105

■ 35.7600, 71.5200,
11.9201

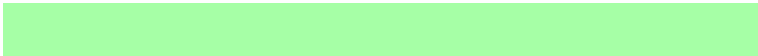
Harmonies

Analogous

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



68.3767, 82.3802, 34.1602



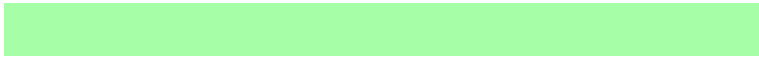
58.3688, 82.3802, 48.9010



53.8337, 82.3802, 78.8755

Triad

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



58.3688, 82.3802, 48.9010



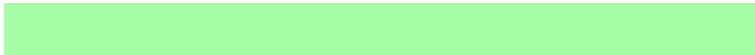
74.4237, 82.3802, 194.1246



107.1032, 82.3802, 63.1457

Complementary

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



58.3688, 82.3802, 48.9010



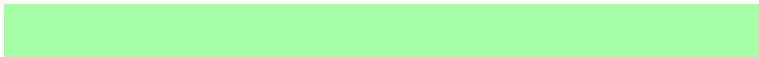
72.9261, 55.7526, 101.5240

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.



109.2412, 82.3802, 101.4678



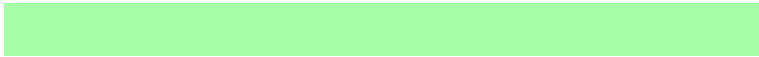
58.3688, 82.3802, 48.9010



89.1395, 82.3802, 185.9820

Square

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



58.3688, 82.3802, 48.9010



62.3265, 82.3802, 168.2223



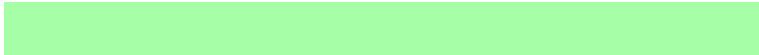
102.3188, 82.3802, 148.5347



96.7928, 82.3802, 40.4417

Rectangle

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



58.3688, 82.3802, 48.9010



54.0793, 82.3802, 107.1219



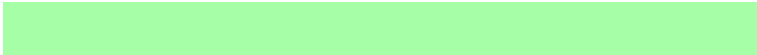
102.3188, 82.3802, 148.5347



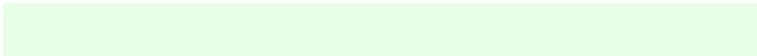
108.8486, 82.3802, 74.2741

Sweetspot

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



58.3692, 82.3804, 48.9023



82.4457, 93.9455, 88.2836



83.8830, 95.5332, 50.0955



17.2975, 19.9404, 18.3250



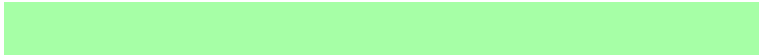
0.0000, 0.0000, 0.0000



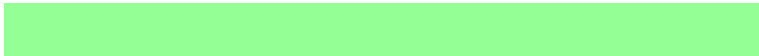
20.3446, 21.4041, 23.3091

Same Dimension

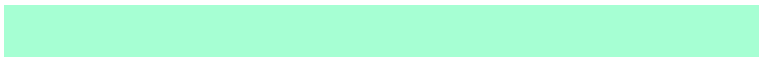
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.3692, 82.3804, 48.9023



53.2922, 79.9416, 40.5978



63.1814, 84.3052, 74.2427



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2286



1.8193, 3.6387, 0.6065

Inverse Universe

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



72.9261, 55.7526, 101.5240



69.8639, 49.6283, 100.5030



66.5717, 53.2109, 68.0622



18.7927, 18.3004, 22.7917



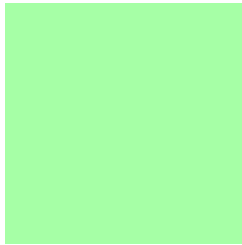
30.9799, 14.8812, 50.6720



3.0164, 1.4489, 4.9338

Previews

White Background



This preview shows how the XYZ color 58.3688, 82.3802, 48.9010 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 58.3688, 82.3802, 48.9010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

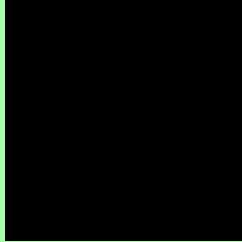
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.3688, 82.3802, 48.9010

Background



This preview shows how black text looks on a background with the XYZ color 58.3688, 82.3802, 48.9010.

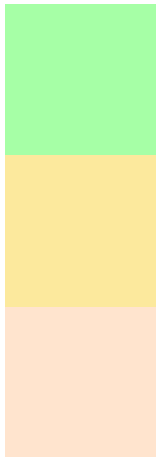


This preview shows how white text looks on a background with the XYZ color 58.3688, 82.3802,

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

58.3688, 82.3802, 48.9010

Protanopia

75.3696, 81.4076, 43.6391

Deuteranopia

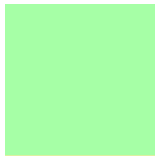
80.1240, 81.2030, 69.8433



Tritanopia

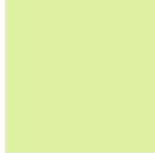
72.7633, 81.6823, 106.5390

Trichromacy



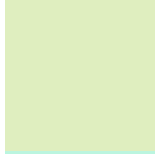
Original Color

58.3688, 82.3802, 48.9010



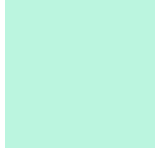
Protanomaly

67.6193, 80.8208, 45.2938



Deuteranomaly

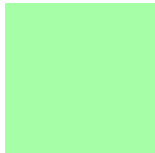
70.4099, 80.5986, 61.1363



Tritanomaly

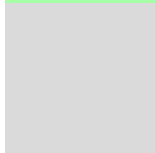
66.4652, 81.1973, 81.9816

Monochromacy



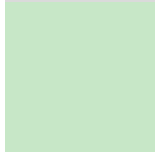
Original Color

58.3688, 82.3802, 48.9010



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

62.4379, 73.4175, 64.9130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.3688, 82.3802, 48.9010 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(166, 255, 166)` looks like.

```
.text, #text, p{  
    color:rgb(166, 255, 166)  
}
```

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(166, 255, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 255, 166) }
```

Border

The CSS property to change the border of an element to XYZ 58.3688, 82.3802, 48.9010 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(166, 255, 166) }
```


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

```
.border{ border-color:rgb(166, 255, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 255, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 255, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 255, 166);  
box-shadow:4px 4px 4px 4px rgb(166, 255,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 58.3688, 82.3802, 48.9010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 255, 166) }
```

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

```
.background{ background-color: rgb(166,  
255, 166) }
```

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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