

Converting Colors

XYZ(67.0698, 100.0000,
48.5009)

Have a look what the booklet for
XYZ(67.0698, 100.0000, 48.5009)
contains.

XYZ(58.3802, 82.4582, 45.6400)	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(58.3802, 82.4582,
45.6400)**

Conversions

Conversions Part 1

Format	Color
Hex	A9FF9F
RGB	169, 255, 159
RGB Percent	66%, 100%, 62%
CMY	0.3373, 0.0000, 0.3765
CMYK	0.34, 0.00, 0.38, 0.00
HSL	114°, 100%, 81%
HSV	114°, 38%, 100%
XYZ	58.3802, 82.4582, 45.6400
YIQ	218.3420, -20.4400, -48.0880

Conversions

Conversions Part 2

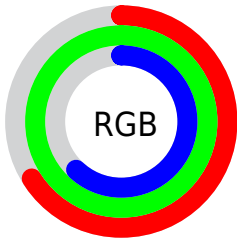
Format	Color
RYB	159, 255, 245
Decimal	11141023
CIELab	92.78, -43.84, 37.87
CIELCh	93, 57.932, 139.182
Yxy	82.4582, 0.3131, 0.4422
Android (android.graphics.Color)	4289331103 (0xFFA9FF9F)
YUV	218.3420, -29.2556, -43.2729
Hunter-Lab	90.8065, -44.1523, 33.7650

Details

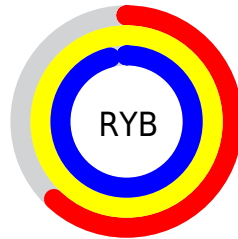
The XYZ color **58.3802, 82.4582, 45.6400** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **68.1055, 51.4301, 100.9452**, and the grayscale version is **67.0822, 70.5757, 76.8569**.

A 20% lighter version of the original color is **79.7043, 92.7572, 77.9930**, and **29.6057, 44.9395, 20.7495** is the 20% darker color. If you saturate the color by 10%, you get **51.9104, 79.3528, 34.9535**, and if you desaturate by 10%, it is **66.1636, 86.1881, 58.7730**.

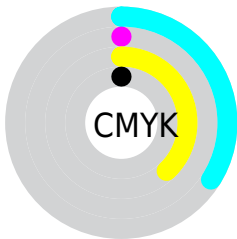
Distribution



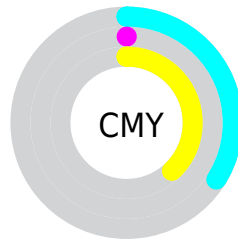
- Red (66%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (96%)



- Cyan (34%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.3802, 82.4582, 45.6400 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 58.3802, 82.4582, 45.6400 by changing the saturation by 10% instead.


 58.3802, 82.4582,
45.6400


 58.3802, 82.4582,
45.6400


408.5322,
503.1791, 385.5949

 42.3588, 61.7433,
31.6152


 101.5961,
136.8164, 85.0086

 29.5747, 44.8253,
20.8054


 129.5213,
171.2284, 111.1894

 19.6625, 31.3198,
12.7920


162.1452,
210.9750, 142.2594

 12.2568, 20.8425,
7.1564

199.8332,
256.4404, 178.6370

 6.9922, 13.0089,
3.4802

242.9505,
308.0092, 220.7409

 3.5035, 7.4347,
1.3447

291.8625,

 1.4253, 3.7354,

366.0656, 268.9894

0.0980

346.9346,
430.9941, 323.8012

■ 0.2741, 1.5267,
0.0000

■ 0.0000, 0.3074,
0.0000

■ 58.3802, 82.4582,
45.6400

■ 58.3802, 82.4582,
45.6400

■ 51.9104, 79.3528,
34.9535

■ 66.1636, 86.1881,
58.7730

■ 46.6801, 76.8368,
26.5589

■ 75.3264, 90.5734,
74.4869

■ 42.6097, 74.8730,
20.2895

■ 85.9316, 95.6438,
92.9107

■ 39.6098, 73.4193,
15.9550

95.0500, 100.0000,
108.9000

■ 37.5775, 72.4276,
13.3307

■ 36.3866, 71.8392,
12.1210

■ 36.2004, 71.7470,
11.9406

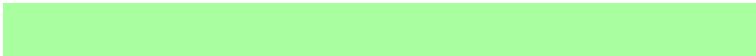
Harmonies

Analogous

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



69.2111, 82.4582, 31.8980



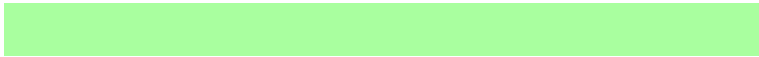
58.3802, 82.4582, 45.6400



53.1621, 82.4582, 75.0547

Triad

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



58.3802, 82.4582, 45.6400



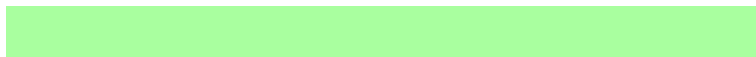
73.0468, 82.4582, 198.8071



109.1389, 82.4582, 65.1267

Complementary

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



58.3802, 82.4582, 45.6400



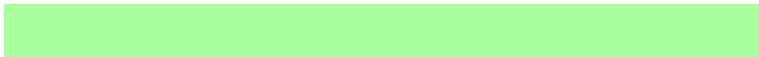
68.1055, 51.4301, 100.9452

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.



110.5121, 82.4582, 106.3220



58.3802, 82.4582, 45.6400



88.3120, 82.4582, 193.5193

Square

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



58.3802, 82.4582, 45.6400



60.8768, 82.4582, 168.6141



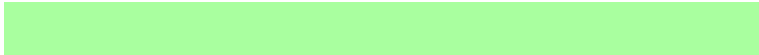
102.4795, 82.4582, 155.8879



98.9387, 82.4582, 40.3902

Rectangle

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



58.3802, 82.4582, 45.6400



53.0510, 82.4582, 103.7242



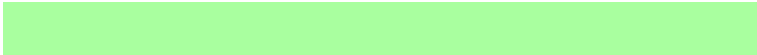
102.4795, 82.4582, 155.8879



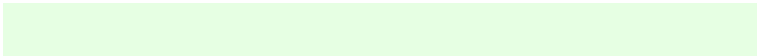
110.6933, 82.4582, 77.1505

Sweetspot

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



58.3807, 82.4584, 45.6413



82.2101, 93.8650, 86.4217



79.7889, 88.3446, 45.6491



17.2845, 19.9419, 17.9555



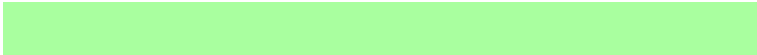
0.0000, 0.0000, 0.0000



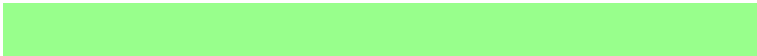
20.3446, 21.4041, 23.3091

Same Dimension

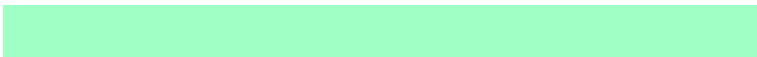
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.3807, 82.4584, 45.6413



53.4987, 80.1157, 37.5519



59.9999, 82.8677, 64.9391



17.9471, 20.2586, 19.1087



18.9722, 37.5186, 6.2419



1.9024, 3.6815, 0.6103

Inverse Universe

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



68.1055, 51.4301, 100.9452



64.4436, 45.1127, 99.9188



66.3199, 51.1298, 72.8413



18.5953, 18.1986, 22.7826



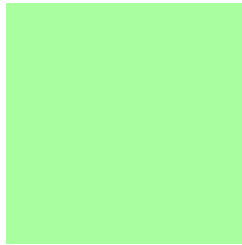
26.2984, 12.4678, 50.4550



2.6120, 1.2404, 4.9150

Previews

White Background



This preview shows how the XYZ color 58.3802, 82.4582, 45.6400 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 58.3802, 82.4582, 45.6400 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 58.3802, 82.4582, 45.6400

Background



This preview shows how black text looks on a background with the XYZ color 58.3802, 82.4582, 45.6400.



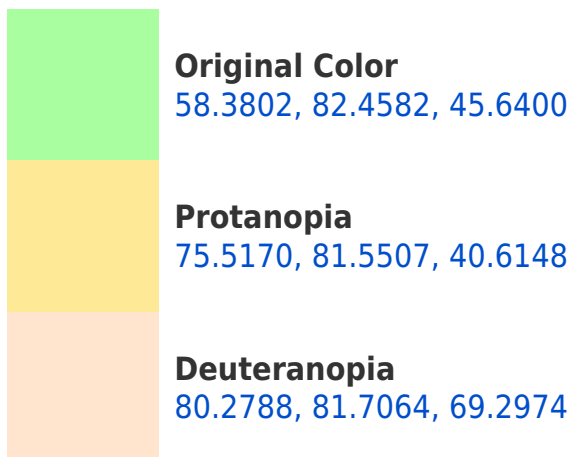
This preview shows how white text looks on a background with the XYZ color 58.3802, 82.4582,

45.6400.

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





Tritanopia

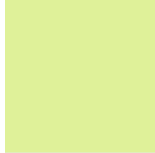
73.0295, 81.8195, 106.5514

Trichromacy



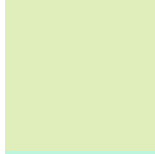
Original Color

58.3802, 82.4582, 45.6400



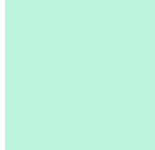
Protanomaly

67.6365, 80.8985, 42.1871



Deuteranomaly

70.3921, 80.6272, 59.4295



Tritanomaly

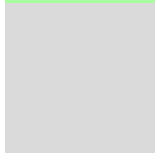
66.5569, 81.2909, 79.8929

Monochromacy



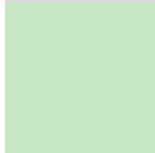
Original Color

58.3802, 82.4582, 45.6400



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

62.4734, 73.4624, 63.7103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.3802, 82.4582, 45.6400 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(169, 255, 159)` looks like.

```
.text, #text, p{  
    color:rgb(169, 255, 159)  
}
```

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(169, 255, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 159) }
```

Border

The CSS property to change the border of an element to XYZ 58.3802, 82.4582, 45.6400 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(169, 255, 159) }
```


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

```
.border{ border-color:rgb(169, 255, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 255, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 255, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 255, 159);  
box-shadow:4px 4px 4px 4px rgb(169, 255,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 58.3802, 82.4582, 45.6400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 255, 159) }
```

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

```
.background{ background-color: rgb(169,  
255, 159) }
```

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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