

Converting Colors

XYZ(64.6333, 94.0172, 50.2288)

Have a look what the booklet for
XYZ(64.6333, 94.0172, 50.2288)
contains.

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Color

**XYZ(58.9137, 82.6716,
48.4495)**

Conversions

Conversions Part 1

Format	Color
Hex	A9FFA5
RGB	169, 255, 165
RGB Percent	66%, 100%, 65%
CMY	0.3373, 0.0000, 0.3529
CMYK	0.34, 0.00, 0.35, 0.00
HSL	117°, 100%, 82%
HSV	117°, 35%, 100%
XYZ	58.9137, 82.6716, 48.4495
YIQ	219.0260, -22.3660, -46.2220

Conversions

Conversions Part 2

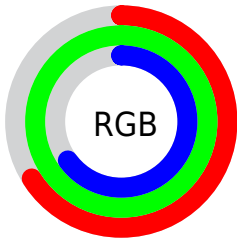
Format	Color
RYB	165, 255, 251
Decimal	11141029
CIELab	92.87, -42.96, 35.02
CIElCh	93, 55.421, 140.812
Yxy	82.6716, 0.3100, 0.4350
Android (android.graphics.Color)	4289331109 (0xFFA9FFA5)
YUV	219.0260, -26.6348, -43.8728
Hunter-Lab	90.9239, -43.4587, 32.0536

Details

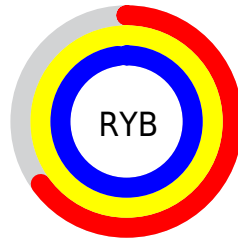
The XYZ color **58.9137, 82.6716, 48.4495** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **71.2899, 54.6408, 101.3971**, and the grayscale version is **67.5398, 71.0571, 77.3812**.

A 20% lighter version of the original color is **80.4897, 93.0714, 82.1289**, and **29.9288, 45.0687, 22.4510** is the 20% darker color. If you saturate the color by 10%, you get **52.0697, 79.3853, 37.1977**, and if you desaturate by 10%, it is **67.1956, 86.6456, 62.1865**.

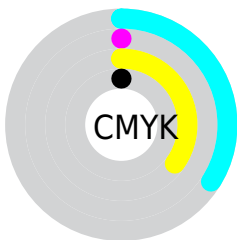
Distribution



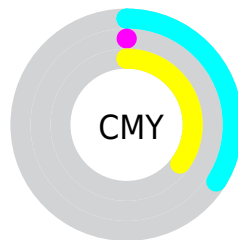
- Red (66%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (98%)



- Cyan (34%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)




- Cyan (34%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.9137, 82.6716, 48.4495 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 58.9137, 82.6716, 48.4495 by changing the saturation by 10% instead.


 58.9137, 82.6716,
48.4495


 58.9137, 82.6716,
48.4495


410.4812,
503.8914, 397.1311

 42.7898, 61.9193,
33.8205


 102.3676,
137.1154, 89.2458

 29.9140, 44.9675,
22.4795


 130.4282,
171.5757, 116.2501

 19.9211, 31.4318,
14.0080


163.1984,
211.3741, 148.2167

 12.4456, 20.9279,
7.9874

201.0437,
256.8950, 185.5639

 7.1223, 13.0713,
3.9992

244.3292,
308.5227, 228.7105

 3.5857, 7.4777,
1.6249

293.4204,

 1.4705, 3.7626,

366.6418, 278.0748

0.3085

348.6826,
431.6366, 334.0755

■ 0.3056, 1.5417,
0.0000

■ 0.0000, 0.3178,
0.0000

■ 58.9137, 82.6716,
48.4495

■ 58.9137, 82.6716,
48.4495

■ 52.0697, 79.3853,
37.1977

■ 67.1956, 86.6456,
62.1865

■ 46.5802, 76.7471,
28.2791

■ 76.9894, 91.3427,
78.5407

■ 42.3557, 74.7143,
21.5310

■ 88.3655, 96.7963,
97.6396

■ 39.2950, 73.2387,
16.7685

95.0500, 100.0000,
108.9000

■ 37.2818, 72.2650,
13.7755

■ 36.1751, 71.7263,
12.2859

■ 35.9024, 71.5934,
11.9267

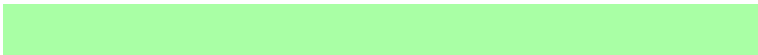
Harmonies

Analogous

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



69.0946, 82.6716, 34.1627



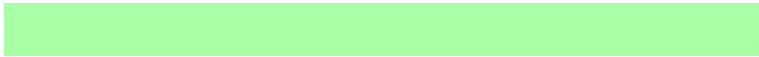
58.9137, 82.6716, 48.4495



54.1736, 82.6716, 77.8745

Triad

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



58.9137, 82.6716, 48.4495



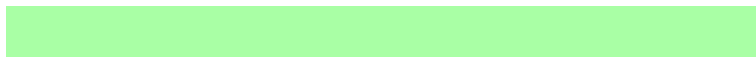
74.2147, 82.6716, 193.8939



107.5791, 82.6716, 64.5546

Complementary

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



58.9137, 82.6716, 48.4495



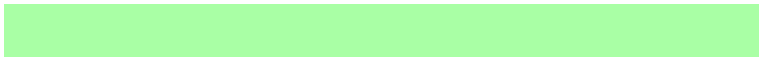
71.2899, 54.6408, 101.3971

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.



109.3884, 82.6716, 103.3567



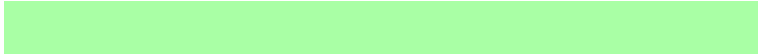
58.9137, 82.6716, 48.4495



88.8892, 82.6716, 187.0068

Square

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



58.9137, 82.6716, 48.4495



62.2656, 82.6716, 167.0342



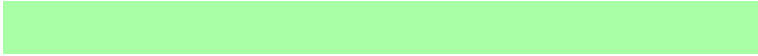
102.1904, 82.6716, 150.3793



97.5137, 82.6716, 41.2805

Rectangle

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



58.9137, 82.6716, 48.4495



54.2806, 82.6716, 105.8151



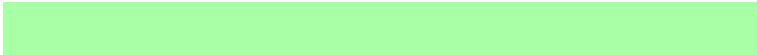
102.1904, 82.6716, 150.3793



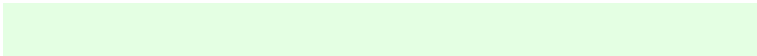
109.2177, 82.6716, 75.8722

Sweetspot

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



58.9142, 82.6718, 48.4508



81.6754, 93.5894, 86.3967



82.3730, 92.6592, 49.1421



17.1583, 19.8768, 17.9496



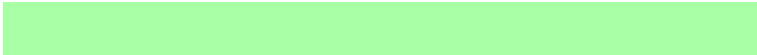
0.0000, 0.0000, 0.0000



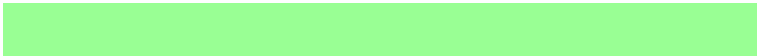
20.3446, 21.4041, 23.3091

Same Dimension

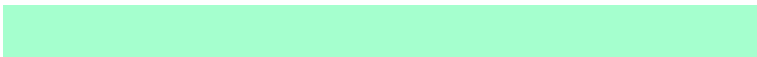
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.9142, 82.6718, 48.4508



54.1698, 80.3940, 40.6380



62.3577, 83.9517, 70.9932



17.8462, 20.2066, 19.1040



18.7917, 37.4256, 6.2334



1.8548, 3.6569, 0.6081

Inverse Universe

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



71.2899, 54.6408, 101.3971



68.1353, 48.7372, 100.4238



66.8974, 53.0520, 70.6687



18.7082, 18.2568, 22.7878



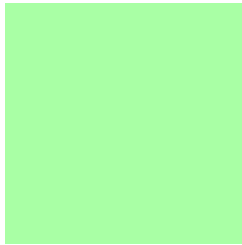
28.9014, 13.8097, 50.5768



2.8377, 1.3568, 4.9256

Previews

White Background



This preview shows how the XYZ color 58.9137, 82.6716, 48.4495 looks on a white background.

Color Contrast Check

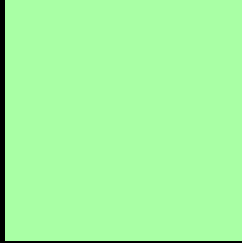
Large Text (above 18pt) WCAG AA × Fail

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 58.9137, 82.6716, 48.4495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

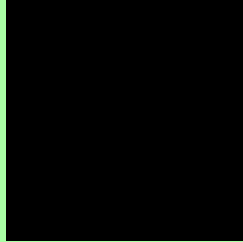
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

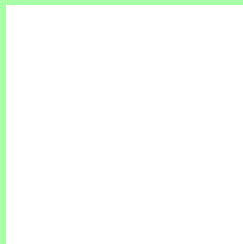
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.9137, 82.6716, 48.4495

Background



This preview shows how black text looks on a background with the XYZ color 58.9137, 82.6716, 48.4495.



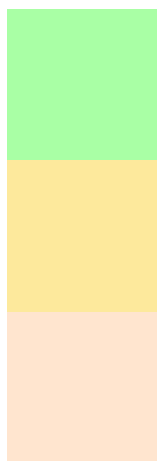
This preview shows how white text looks on a background with the XYZ color 58.9137, 82.6716,

48.4495.

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

58.9137, 82.6716, 48.4495

Protanopia

75.6477, 81.5608, 43.2082

Deuteranopia

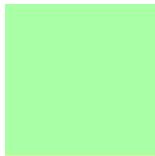
80.5218, 81.8036, 70.5772



Tritanopia

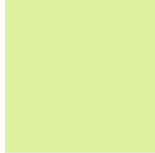
73.2975, 81.9577, 106.5640

Trichromacy



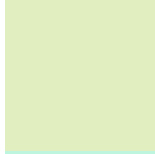
Original Color

58.9137, 82.6716, 48.4495



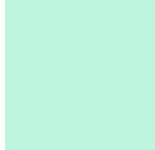
Protanomaly

67.8375, 80.9434, 44.8491



Deuteranomaly

70.8294, 80.8021, 61.7324



Tritanomaly

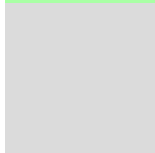
66.8235, 81.3976, 81.2966

Monochromacy



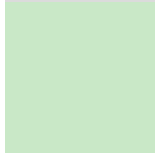
Original Color

58.9137, 82.6716, 48.4495



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

63.2528, 74.2543, 65.0316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.9137, 82.6716, 48.4495 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(169, 255, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 165) }
```

Border

The CSS property to change the border of an element to XYZ 58.9137, 82.6716, 48.4495 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, 165) }
```


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

```
.border{ border-color:rgb(169, 255, 165) }
```

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, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 255, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 255, 165);  
box-shadow:4px 4px 4px 4px rgb(169, 255,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 58.9137, 82.6716, 48.4495 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, 165) }
```

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

```
.background{ background-color: rgb(169,  
255, 165) }
```

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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