

Converting Colors

XYZ(59.8167, 86.1202, 45.9594)

Have a look what the booklet for
XYZ(59.8167, 86.1202, 45.9594)
contains.

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Color

**XYZ(57.8679, 82.2041,
45.1648)**

Conversions

Conversions Part 1

Format	Color
Hex	A7FF9E
RGB	167, 255, 158
RGB Percent	65%, 100%, 62%
CMY	0.3451, 0.0000, 0.3804
CMYK	0.35, 0.00, 0.38, 0.00
HSL	114°, 100%, 81%
HSV	114°, 38%, 100%
XYZ	57.8679, 82.2041, 45.1648
YIQ	217.6300, -21.3110, -48.8230

Conversions

Conversions Part 2

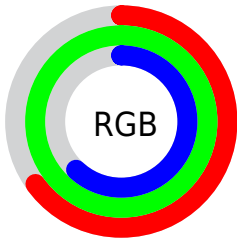
Format	Color
RYB	158, 255, 246
Decimal	11009950
CIELab	92.66, -44.61, 38.20
CIELCh	93, 58.726, 139.427
Yxy	82.2041, 0.3124, 0.4438
Android (android.graphics.Color)	4289200030 (0xFFA7FF9E)
YUV	217.6300, -29.3976, -44.4025
Hunter-Lab	90.6665, -44.7387, 33.9317

Details

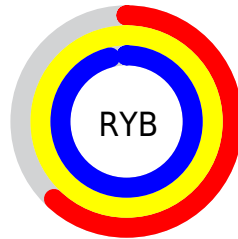
The XYZ color **57.8679, 82.2041, 45.1648** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **68.2841, 51.2679, 100.9045**, and the grayscale version is **66.5919, 70.0599, 76.2952**.

A 20% lighter version of the original color is **78.8216, 92.3316, 76.6182**, and **29.2994, 44.7876, 20.4652** is the 20% darker color. If you saturate the color by 10%, you get **51.4376, 79.1170, 34.5707**, and if you desaturate by 10%, it is **65.6287, 85.9245, 58.2007**.

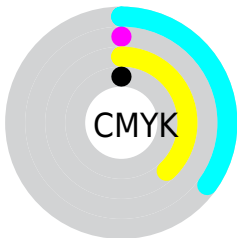
Distribution



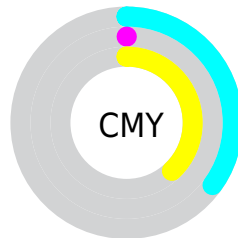
- Red (65%)
- Green (100%)
- Blue (62%)



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



- Cyan (35%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.8679, 82.2041, 45.1648 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 57.8679, 82.2041, 45.1648 by changing the saturation by 10% instead.


 57.8679, 82.2041,
45.1648

 57.8679, 82.2041,
45.1648

406.6553,
502.3301, 383.6202

 41.9453, 61.5338,
31.2434


 100.8545,
136.4602, 84.2887

 29.2494, 44.6561,
20.5242


 128.6493,
170.8147, 110.3283

 19.4148, 31.1866,
12.5888


161.1321,
210.4995, 141.2443

 12.0762, 20.7410,
7.0186

198.6685,
255.8989, 177.4553

 6.8681, 12.9348,
3.3951

241.6236,
307.3972, 219.3799

 3.4254, 7.3837,
1.2998

290.3628,

 1.3825, 3.7032,

365.3789, 267.4365

0.0616

345.2516,
430.2285, 322.0438

■ 0.2437, 1.5090,
0.0000

■ 0.0000, 0.2950,
0.0000

■ 57.8679, 82.2041,
45.1648

■ 57.8679, 82.2041,
45.1648

■ 51.4376, 79.1170,
34.5707

■ 65.6287, 85.9245,
58.2007

■ 46.2616, 76.6272,
26.2630

■ 74.7879, 90.3101,
73.8133

■ 42.2578, 74.6960,
20.0744

■ 85.4101, 95.3916,
92.1320

■ 39.3337, 73.2798,
15.8131

95.0500, 100.0000,
108.9000

■ 37.3827, 72.3287,
13.2528

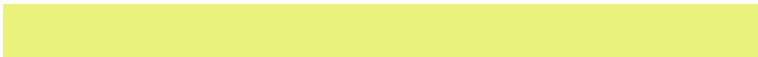
■ 36.2716, 71.7806,
12.0870

■ 36.1285, 71.7100,
11.9372

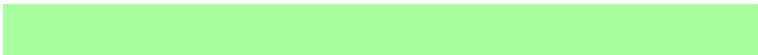
Harmonies

Analogous

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



68.7596, 82.2041, 31.2826



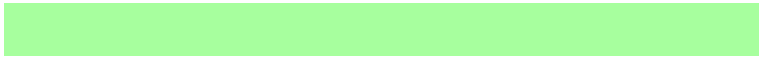
57.8679, 82.2041, 45.1648



52.6571, 82.2041, 74.9338

Triad

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



57.8679, 82.2041, 45.1648



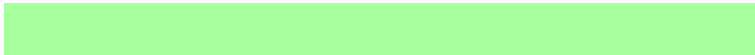
72.8631, 82.2041, 200.3573



109.2544, 82.2041, 64.3289

Complementary

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



57.8679, 82.2041, 45.1648



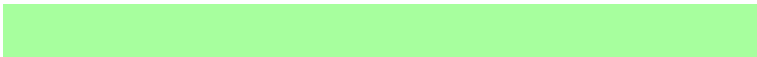
68.2841, 51.2679, 100.9045

Split Complementary

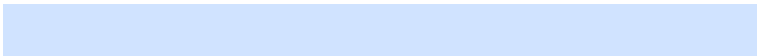
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.7294, 82.2041, 105.8553



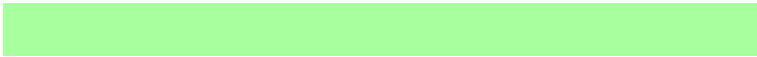
57.8679, 82.2041, 45.1648



88.3207, 82.2041, 194.6574

Square

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



57.8679, 82.2041, 45.1648



60.5340, 82.2041, 169.8675



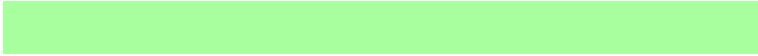
102.6491, 82.2041, 156.1694



98.8487, 82.2041, 39.5881

Rectangle

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



57.8679, 82.2041, 45.1648



52.5787, 82.2041, 104.0120



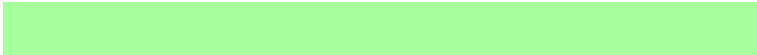
102.6491, 82.2041, 156.1694



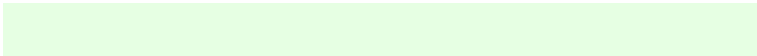
110.8582, 82.2041, 76.4161

Sweetspot

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



57.8683, 82.2043, 45.1661



82.1078, 93.8123, 86.4169



80.1551, 89.2154, 45.3447



17.2603, 19.9294, 17.9543



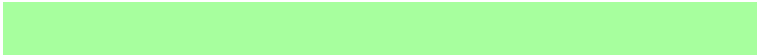
0.0000, 0.0000, 0.0000



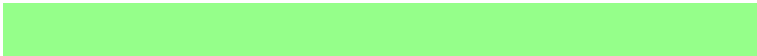
20.3446, 21.4041, 23.3091

Same Dimension

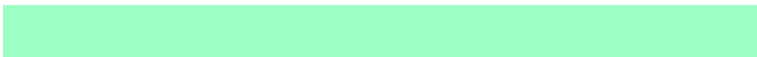
The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.8683, 82.2043, 45.1661



52.6439, 79.6966, 36.5394



59.9164, 82.8115, 65.5306



17.9278, 20.2487, 19.1078



18.9300, 37.4969, 6.2399



1.8934, 3.6768, 0.6099

Inverse Universe

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



68.2841, 51.2679, 100.9045



64.4449, 44.5653, 99.8131



65.8880, 50.6830, 71.4123



18.6167, 18.2097, 22.7836



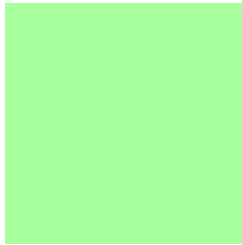
26.7778, 12.7149, 50.4775



2.6537, 1.2620, 4.9170

Previews

White Background



This preview shows how the XYZ color 57.8679, 82.2041, 45.1648 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 57.8679, 82.2041, 45.1648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

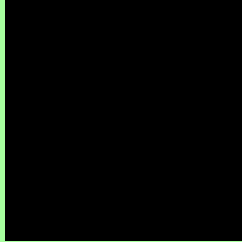
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

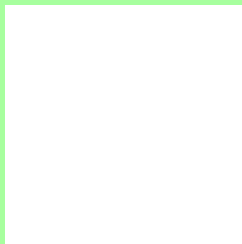
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.8679, 82.2041, 45.1648

Background



This preview shows how black text looks on a background with the XYZ color 57.8679, 82.2041, 45.1648.



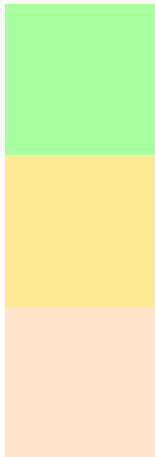
This preview shows how white text looks on a background with the XYZ color 57.8679, 82.2041,

45.1648.

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

57.8679, 82.2041, 45.1648

Protanopia

75.0717, 81.3304, 40.1754

Deuteranopia

79.8825, 81.1064, 68.5716



Tritanopia

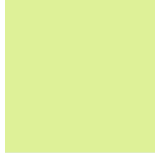
72.7633, 81.6823, 106.5390

Trichromacy



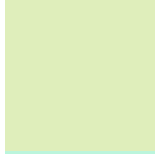
Original Color

57.8679, 82.2041, 45.1648



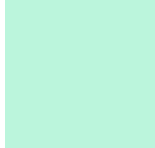
Protanomaly

67.2470, 80.7072, 41.7395



Deuteranomaly

69.9756, 80.4249, 58.8492



Tritanomaly

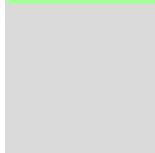
66.0642, 81.0369, 79.8699

Monochromacy



Original Color

57.8679, 82.2041, 45.1648



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

62.0929, 73.2795, 63.0963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.8679, 82.2041, 45.1648 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(167, 255, 158)` looks like.

```
.text, #text, p{  
    color:rgb(167, 255, 158)  
}
```

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(167, 255, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 255, 158) }
```

Border

The CSS property to change the border of an element to XYZ 57.8679, 82.2041, 45.1648 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(167, 255, 158) }
```


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

```
.border{ border-color:rgb(167, 255, 158) }
```

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

Here you see how a box with a 4 pixel rgb(167, 255, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 255, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 255, 158);  
box-shadow:4px 4px 4px 4px rgb(167, 255,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 57.8679, 82.2041, 45.1648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 255, 158) }
```

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

```
.background{ background-color: rgb(167,  
255, 158) }
```

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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