

Converting Colors

XYZ(67.5222, 100.0000,
54.7584)

Have a look what the booklet for
XYZ(67.5222, 100.0000, 54.7584)
contains.

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Color

**XYZ(58.7234, 82.4979,
51.8584)**

Conversions

Conversions Part 1

Format	Color
Hex	A5FFAC
RGB	165, 255, 172
RGB Percent	65%, 100%, 67%
CMY	0.3529, 0.0000, 0.3255
CMYK	0.35, 0.00, 0.33, 0.00
HSL	125°, 100%, 82%
HSV	125°, 35%, 100%
XYZ	58.7234, 82.4979, 51.8584
YIQ	218.6280, -26.9970, -44.8930

Conversions

Conversions Part 2

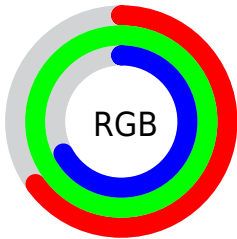
Format	Color
RYB	165, 249, 255
Decimal	10878892
CIELab	92.79, -43.09, 31.39
CIELCh	93, 53.307, 143.927
Yxy	82.4979, 0.3041, 0.4273
Android (android.graphics.Color)	4289068972 (0xFFA5FFAC)
YUV	218.6280, -22.9876, -47.0318
Hunter-Lab	90.8284, -43.5437, 29.7283

Details

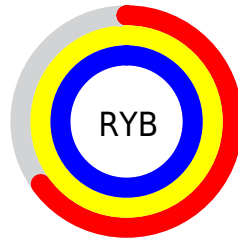
The XYZ color **58.7234, 82.4979, 51.8584** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **71.6383, 54.9478, 95.6358**, and the grayscale version is **67.2414, 70.7432, 77.0393**.

A 20% lighter version of the original color is **79.8878, 92.6510, 87.0717**, and **29.8305, 44.9713, 24.5609** is the 20% darker color. If you saturate the color by 10%, you get **51.8752, 79.2057, 40.7734**, and if you desaturate by 10%, it is **67.0297, 86.4954, 65.1003**.

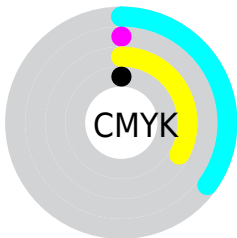
Distribution



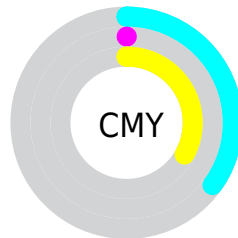
- Red (65%)
- Green (100%)
- Blue (67%)



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



- Cyan (35%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.7234, 82.4979, 51.8584 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 58.7234, 82.4979, 51.8584 by changing the saturation by 10% instead.


 58.7234, 82.4979,
51.8584


 58.7234, 82.4979,
51.8584


409.7867,
503.3116, 410.8311

 42.6360, 61.7760,
36.5108


 102.0925,
136.8720, 94.3468

 29.7929, 44.8517,
24.5361


 130.1049,
171.2930, 122.3247

 19.8287, 31.3407,
15.5159

162.8230,
211.0492, 155.3497

 12.3782, 20.8584,
9.0316

200.6122,
256.5250, 193.8404

 7.0758, 13.0205,
4.6647

243.8378,
308.1047, 238.2154

 3.5563, 7.4427,
1.9966

292.8651,

 1.4543, 3.7405,

366.1728, 288.8931

0.5532

348.0597,
431.1136, 346.2922

0.2944, 1.5295,
0.0000

0.0000, 0.3093,
0.0000

58.7234, 82.4979,
51.8584

58.7234, 82.4979,
51.8584

51.8752, 79.2057,
40.7734

67.0297, 86.4954,
65.1003

46.3993, 76.5774,
31.7275

76.8700, 91.2354,
80.6007

42.2034, 74.5678,
24.5976

88.3168, 96.7530,
98.4594

39.1829, 73.1260,
19.2456

95.0500, 100.0000,
108.9000

■ 37.2169, 72.1930,
15.5153

■ 36.1577, 71.6966,
13.2229

■ 35.8848, 71.5699,
12.5774

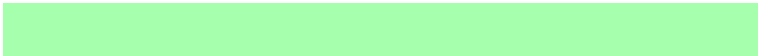
Harmonies

Analogous

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



68.0588, 82.4979, 36.4347



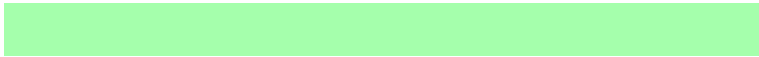
58.7234, 82.4979, 51.8584



54.7140, 82.4979, 81.9658

Triad

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



58.7234, 82.4979, 51.8584



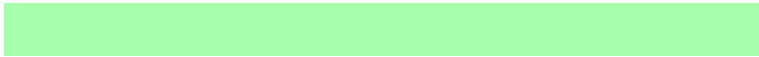
75.6169, 82.4979, 189.5257



105.4816, 82.4979, 62.2085

Complementary

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



58.7234, 82.4979, 51.8584



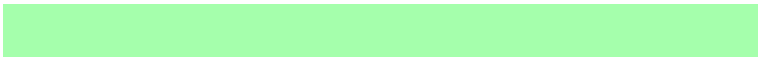
71.6383, 54.9478, 95.6358

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.



108.1209, 82.4979, 98.1737



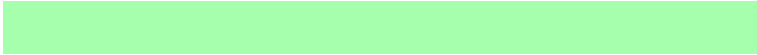
58.7234, 82.4979, 51.8584



89.7648, 82.4979, 179.5849

Square

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



58.7234, 82.4979, 51.8584



63.6972, 82.4979, 167.0322



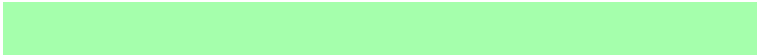
102.0718, 82.4979, 142.8847



95.2341, 82.4979, 41.0566

Rectangle

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



58.7234, 82.4979, 51.8584



55.2159, 82.4979, 109.5485



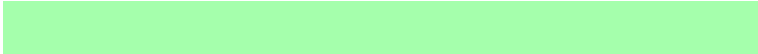
102.0718, 82.4979, 142.8847



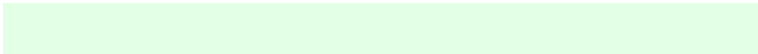
107.3348, 82.4979, 72.6255

Sweetspot

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



58.7239, 82.4981, 51.8597



81.5841, 93.5073, 87.9743



81.6186, 94.3764, 49.5125



17.1368, 19.8575, 18.3216



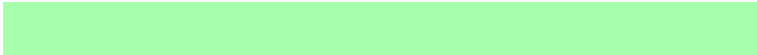
0.0000, 0.0000, 0.0000



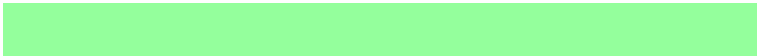
20.3446, 21.4041, 23.3091

Same Dimension

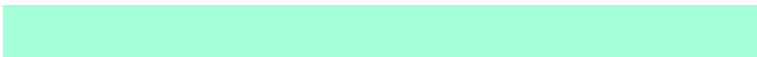
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.7239, 82.4981, 51.8597



53.9751, 80.2147, 44.1938



63.6720, 84.4773, 77.9159



17.8289, 20.1911, 19.4020



18.7707, 37.4049, 6.6780



1.8465, 3.6495, 0.7495

Inverse Universe

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



71.6383, 54.9478, 95.6358



68.5515, 49.1034, 93.5921



65.5944, 52.5303, 63.8092



18.7281, 18.2746, 22.4513



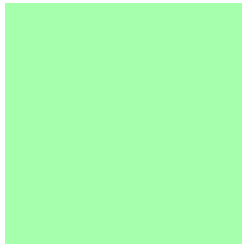
29.4221, 14.2581, 42.4685



2.8821, 1.3952, 4.2266

Previews

White Background



This preview shows how the XYZ color 58.7234, 82.4979, 51.8584 looks on a white background.

Color Contrast Check

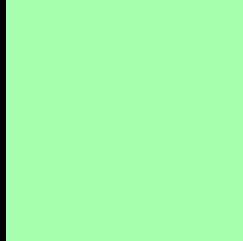
Large Text (above 18pt) WCAG AA × Fail

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 58.7234, 82.4979, 51.8584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

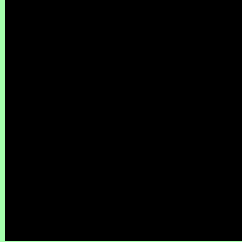
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.7234, 82.4979, 51.8584

Background



This preview shows how black text looks on a background with the XYZ color 58.7234, 82.4979, 51.8584.



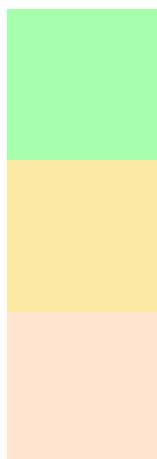
This preview shows how white text looks on a background with the XYZ color 58.7234, 82.4979,

51.8584.

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

58.7234, 82.4979, 51.8584

Protanopia

75.8947, 81.6176, 46.4040

Deuteranopia

80.2459, 81.2518, 70.4852



Tritanopia

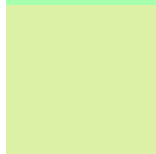
73.0585, 82.2727, 106.6374

Trichromacy



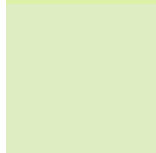
Original Color

58.7234, 82.4979, 51.8584



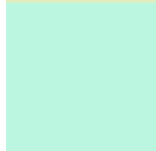
Protanomaly

67.8534, 80.8794, 48.1114



Deuteranomaly

70.4363, 80.5737, 62.8788



Tritanomaly

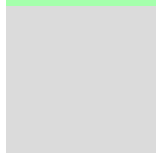
67.0399, 81.9126, 83.5115

Monochromacy



Original Color

58.7234, 82.4979, 51.8584



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

63.0705, 74.1196, 66.8595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7234, 82.4979, 51.8584 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(165, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(165, 255, 172)  
}
```

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(165, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 255, 172) }
```

Border

The CSS property to change the border of an element to XYZ 58.7234, 82.4979, 51.8584 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(165, 255, 172) }
```


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

```
.border{ border-color:rgb(165, 255, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 255, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(165, 255,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7234, 82.4979, 51.8584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 255, 172) }
```

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

```
.background{ background-color: rgb(165,  
255, 172) }
```

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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