

Converting Colors

XYZ(58.5515, 82.0454, 68.2883)

Have a look what the booklet for
XYZ(58.5515, 82.0454, 68.2883)
contains.

XYZ(58.5154, 82.0329, 68.0082)	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(58.5154, 82.0329,
68.0082)**

Conversions

Conversions Part 1

Format	Color
Hex	94FFC9
RGB	148, 255, 201
RGB Percent	58%, 100%, 79%
CMY	0.4196, 0.0000, 0.2118
CMYK	0.42, 0.00, 0.21, 0.00
HSL	150°, 100%, 79%
HSV	150°, 42%, 100%
XYZ	58.5154, 82.0329, 68.0082
YIQ	216.8510, -46.4380, -39.4780

Conversions

Conversions Part 2

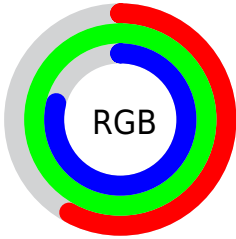
Format	Color
RYB	148, 220, 255
Decimal	9764809
CIELab	92.59, -42.71, 16.26
CIElCh	93, 45.698, 159.154
Yxy	82.0329, 0.2806, 0.3933
Android (android.graphics.Color)	4287954889 (0xFF94FFC9)
YUV	216.8510, -7.8145, -60.3823
Hunter-Lab	90.5720, -43.1784, 18.8811

Details

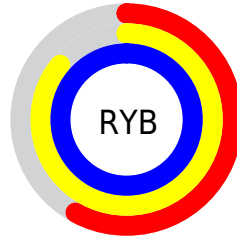
The XYZ color **58.5154, 82.0329, 68.0082** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **62.4911, 46.7051, 61.5990**, and the grayscale version is **65.9259, 69.3592, 75.5321**.

A 20% lighter version of the original color is **79.2636, 91.8618, 108.1612**, and **29.7749, 44.7189, 34.6661** is the 20% darker color. If you saturate the color by 10%, you get **52.9489, 79.3310, 60.1740**, and if you desaturate by 10%, it is **65.2262, 85.3101, 76.5608**.

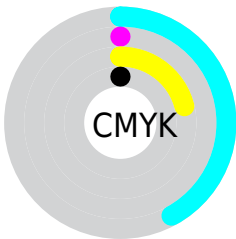
Distribution



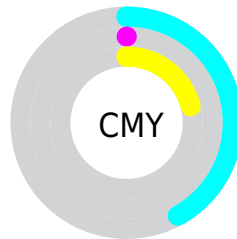
- Red (58%)
- Green (100%)
- Blue (79%)



- Red (58%)
- Yellow (86%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (42%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.5154, 82.0329, 68.0082 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 58.5154, 82.0329, 68.0082 by changing the saturation by 10% instead.


 58.5154, 82.0329,
68.0082


 58.5154, 82.0329,
68.0082


409.0267,
501.7577, 472.1239

 42.4680, 61.3927,
49.4377


 101.7917,
136.2201, 118.0182

 29.6606, 44.5421,
34.5987


 129.7513,
170.5359, 150.2948

 19.7279, 31.0969,
23.0729


162.4123,
210.1790, 187.9771

 12.3045, 20.6727,
14.4415

200.1402,
255.5338, 231.4837

 7.0251, 12.8849,
8.2861

243.3002,
306.9846, 281.2331

 3.5243, 7.3494,
4.1882

292.2577,

 1.4367, 3.6815,

364.9160, 337.6440

1.7291

347.3781,
429.7122, 401.1347

■ 0.2821, 1.4971,
0.3806

■ 0.0000, 0.2867,
0.0000

■ 58.5154, 82.0329,
68.0082

■ 58.5154, 82.0329,
68.0082

■ 52.9489, 79.3310,
60.1740

■ 65.2262, 85.3101,
76.5608

■ 48.4539, 77.1671,
53.0346

■ 73.1433, 89.1942,
85.8463

■ 44.9524, 75.5014,
46.5709

■ 82.3268, 93.7159,
95.8839

■ 42.3538, 74.2877,
40.7612

■ 92.8320, 98.9032,
106.6907

■ 40.5496, 73.4704,
35.5822

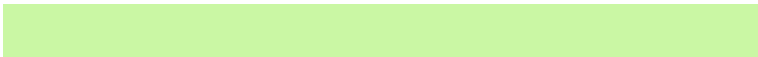
95.0500, 100.0000,
108.9000

■ 39.5459, 73.0344,
31.8565

Harmonies

Analogous

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



64.4207, 82.0329, 47.5957



58.5154, 82.0329, 68.0082



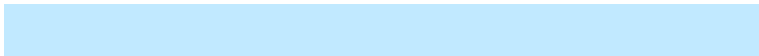
57.5266, 82.0329, 100.1343

Triad

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



58.5154, 82.0329, 68.0082



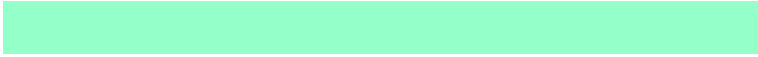
81.6597, 82.0329, 170.7018



97.0538, 82.0329, 54.0604

Complementary

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



58.5154, 82.0329, 68.0082



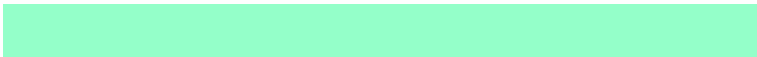
62.4911, 46.7051, 61.5990

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.



102.7595, 82.0329, 79.3135



58.5154, 82.0329, 68.0082



93.2967, 82.0329, 150.2435

Square

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



58.5154, 82.0329, 68.0082



70.1220, 82.0329, 165.4461



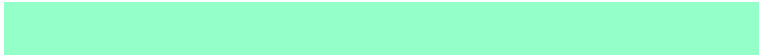
101.3189, 82.0329, 114.6748



86.3823, 82.0329, 41.0790

Rectangle

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



58.5154, 82.0329, 68.0082



59.6778, 82.0329, 125.1213



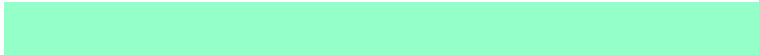
101.3189, 82.0329, 114.6748



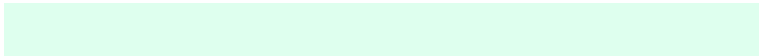
99.6630, 82.0329, 61.0959

Sweetspot

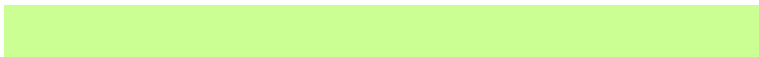
The Sweet Spot groups the original color and five complimentary colors.



58.5162, 82.0333, 68.0096



81.3106, 93.2149, 94.8040



65.8118, 86.3947, 41.2254



16.9525, 19.7294, 19.8075



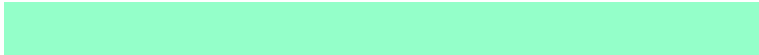
0.0000, 0.0000, 0.0000



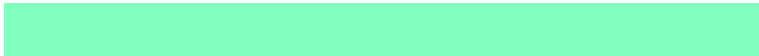
20.3446, 21.4041, 23.3091

Same Dimension

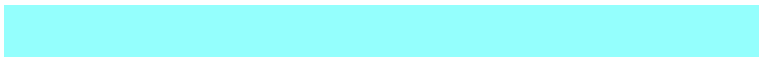
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.5162, 82.0333, 68.0096



53.9531, 79.8169, 61.6540



65.7375, 84.9218, 106.0364



18.1467, 20.3182, 21.0756



20.7388, 38.1921, 17.0416



2.0743, 3.7407, 1.9493

Inverse Universe

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



62.4911, 46.7051, 61.5990



58.3914, 40.3671, 54.4932



57.3182, 44.6359, 34.3586



18.3918, 18.1400, 20.6806



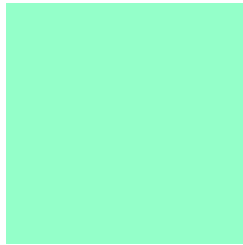
23.6840, 11.9629, 12.2524



2.3612, 1.1869, 1.4835

Previews

White Background



This preview shows how the XYZ color 58.5154, 82.0329, 68.0082 looks on a white background.

Color Contrast Check

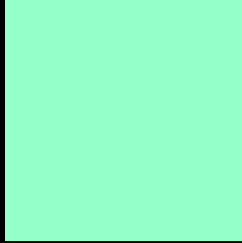
Large Text (above 18pt) WCAG AA × Fail

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 58.5154, 82.0329, 68.0082 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 58.5154, 82.0329, 68.0082

Background



This preview shows how black text looks on a background with the XYZ color 58.5154, 82.0329, 68.0082.



This preview shows how white text looks on a background with the XYZ color 58.5154, 82.0329,

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

58.5154, 82.0329, 68.0082

Protanopia

76.1569, 81.0238, 60.3404

Deuteranopia

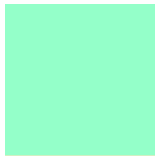
80.9748, 81.1045, 75.6769



Tritanopia

71.2880, 81.8006, 106.6396

Trichromacy



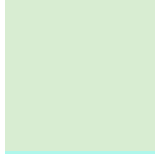
Original Color

58.5154, 82.0329, 68.0082



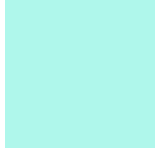
Protanomaly

67.4760, 79.9169, 62.9081



Deuteranomaly

70.2359, 79.8204, 72.6778



Tritanomaly

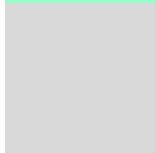
65.9354, 81.6336, 90.8790

Monochromacy



Original Color

58.5154, 82.0329, 68.0082



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

62.0720, 73.0614, 72.4587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.5154, 82.0329, 68.0082 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(148, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(148, 255, 201)  
}
```

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(148, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 255, 201) }
```

Border

The CSS property to change the border of an element to XYZ 58.5154, 82.0329, 68.0082 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(148, 255, 201) }
```


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

```
.border{ border-color:rgb(148, 255, 201) }
```

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

Here you see how a box with a 4 pixel rgb(148, 255, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(148, 255,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5154, 82.0329, 68.0082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 255, 201) }
```

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

```
.background{ background-color: rgb(148,  
255, 201) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor