

Converting Colors

XYZ(67.7305, 100.0000,
62.4155)

Have a look what the booklet for
XYZ(67.7305, 100.0000, 62.4155)
contains.

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Color

**XYZ(58.9210, 82.4361,
59.2607)**

Conversions

Conversions Part 1

Format	Color
Hex	9FFFBA
RGB	159, 255, 186
RGB Percent	62%, 100%, 73%
CMY	0.3765, 0.0000, 0.2706
CMYK	0.38, 0.00, 0.27, 0.00
HSL	137°, 100%, 81%
HSV	137°, 38%, 100%
XYZ	58.9210, 82.4361, 59.2607
YIQ	218.4300, -35.0670, -41.8110

Conversions

Conversions Part 2

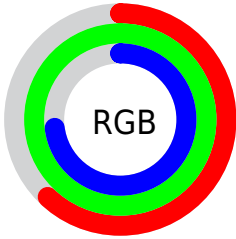
Format	Color
RYB	159, 234, 255
Decimal	10485690
CIELab	92.77, -42.49, 24.24
CIELCh	93, 48.918, 150.300
Yxy	82.4361, 0.2937, 0.4109
Android (android.graphics.Color)	4288675770 (0xFF9FFFBA)
YUV	218.4300, -15.9880, -52.1201
Hunter-Lab	90.7943, -43.0525, 24.8579

Details

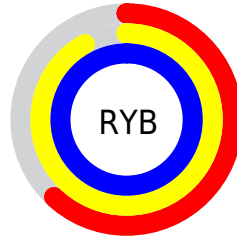
The XYZ color **58.9210, 82.4361, 59.2607** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **67.6419, 51.6583, 79.8042**, and the grayscale version is **67.0615, 70.5539, 76.8332**.

A 20% lighter version of the original color is **80.1059, 92.5297, 97.6424**, and **30.0212, 44.9652, 29.2872** is the 20% darker color. If you saturate the color by 10%, you get **52.5499, 79.3625, 49.4359**, and if you desaturate by 10%, it is **66.5863, 86.1479, 70.4534**.

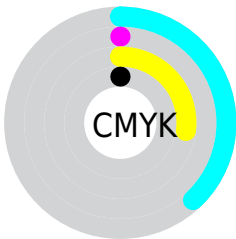
Distribution



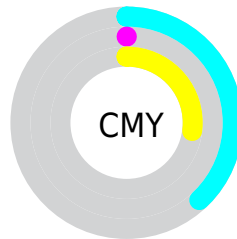
- Red (62%)
- Green (100%)
- Blue (73%)



- Red (62%)
- Yellow (92%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.9210, 82.4361, 59.2607 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 58.9210, 82.4361, 59.2607 by changing the saturation by 10% instead.

 58.9210, 82.4361,
59.2607


 58.9210, 82.4361,
59.2607


410.5079,
503.1053, 439.5961

 42.7957, 61.7251,
42.4016

 102.3781,
136.7854, 105.2893

 29.9186, 44.8106,
29.0880


 130.4406,
171.1924, 135.2959

 19.9246, 31.3083,
18.9012

163.2128,
210.9336, 170.5222

 12.4482, 20.8337,
11.4228


201.0602,
256.3933, 211.3865

 7.1241, 13.0025,
6.2343

244.3480,
307.9559, 258.3075

 3.5868, 7.4303,
2.9170


293.4417,


 1.4712, 3.7326,


366.0059, 311.7038


1.0524


348.7065,
430.9275, 371.9938


 0.3061, 1.5251,
0.0000


 0.0000, 0.3063,
0.0000


 58.9210, 82.4361,
59.2607


 58.9210, 82.4361,
59.2607


 52.5499, 79.3625,
49.4359

 66.5863, 86.1479,
70.4534

 47.3971, 76.8893,
40.9222

 75.6120, 90.5312,
83.0596

 43.3815, 74.9756,
33.6648

 86.0619, 95.6177,
97.1281

 40.4107, 73.5752,
27.6033

95.0500, 100.0000,
108.9000

■ 38.3770, 72.6338,
22.6724

■ 37.1409, 72.0810,
18.7995

■ 36.9206, 71.9843,
18.0319

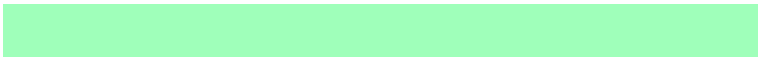
Harmonies

Analogous

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



66.6187, 82.4361, 41.7453



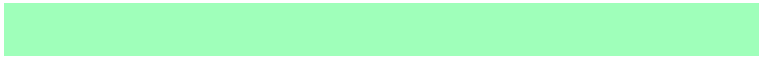
58.9210, 82.4361, 59.2607



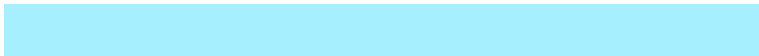
56.2968, 82.4361, 90.1271

Triad

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



58.9210, 82.4361, 59.2607



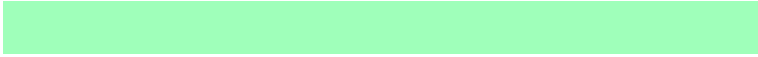
78.4815, 82.4361, 179.9166



101.4944, 82.4361, 58.7791

Complementary

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



58.9210, 82.4361, 59.2607



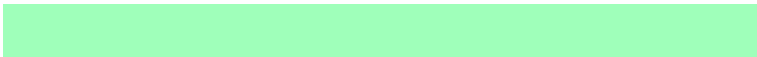
67.6419, 51.6583, 79.8042

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.



105.5275, 82.4361, 89.3917



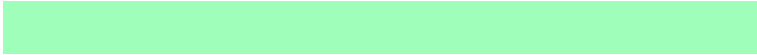
58.9210, 82.4361, 59.2607



91.3903, 82.4361, 165.0908

Square

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



58.9210, 82.4361, 59.2607



66.8184, 82.4361, 165.6433



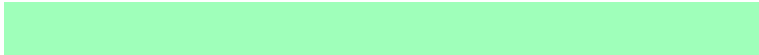
101.6470, 82.4361, 129.2531



91.1441, 82.4361, 41.5250

Rectangle

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



58.9210, 82.4361, 59.2607



57.5274, 82.4361, 116.4005



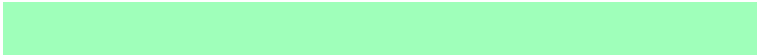
101.6470, 82.4361, 129.2531



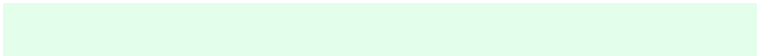
103.6810, 82.4361, 67.5282

Sweetspot

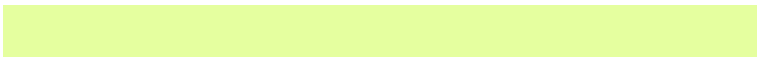
The Sweet Spot groups the original color and five complimentary colors.



58.9216, 82.4364, 59.2620



82.3950, 93.8316, 92.2443



74.4592, 90.7472, 46.3932



17.3286, 19.9342, 19.3317



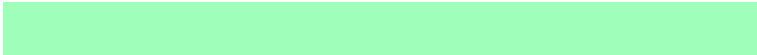
0.0000, 0.0000, 0.0000



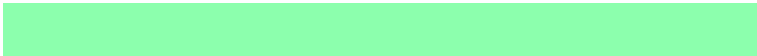
20.3446, 21.4041, 23.3091

Same Dimension

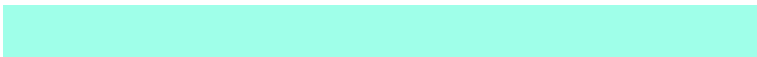
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.9216, 82.4364, 59.2620



54.1143, 80.1160, 51.9063



64.7094, 84.7515, 89.7400



17.9815, 20.2521, 20.2058



19.3463, 37.6351, 9.7090



1.9279, 3.6821, 1.1784

Inverse Universe

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



67.6419, 51.6583, 79.8042



63.9369, 45.4022, 75.0116



62.0202, 49.4096, 50.2005



18.5620, 18.2081, 21.5764



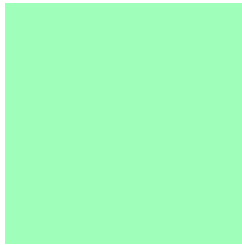
26.0971, 12.9281, 24.9597



2.5877, 1.2775, 2.6763

Previews

White Background



This preview shows how the XYZ color 58.9210, 82.4361, 59.2607 looks on a white background.

Color Contrast Check

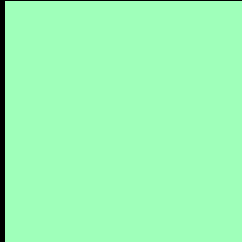
Large Text (above 18pt) WCAG AA × Fail

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 58.9210, 82.4361, 59.2607 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 58.9210, 82.4361, 59.2607

Background



This preview shows how black text looks on a background with the XYZ color 58.9210, 82.4361, 59.2607.

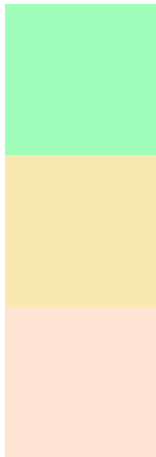


This preview shows how white text looks on a background with the XYZ color 58.9210, 82.4361,

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

58.9210, 82.4361, 59.2607

Protanopia

76.0423, 81.5522, 52.8076

Deuteranopia

80.7413, 81.4500, 73.0939



Tritanopia

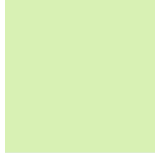
72.2702, 81.8664, 106.6005

Trichromacy



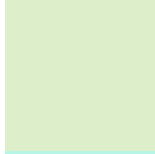
Original Color

58.9210, 82.4361, 59.2607



Protanomaly

68.0124, 80.8048, 55.1923



Deuteranomaly

70.7504, 80.6290, 67.7111



Tritanomaly

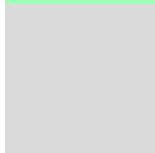
66.7671, 81.6920, 87.1120

Monochromacy



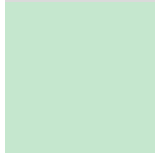
Original Color

58.9210, 82.4361, 59.2607



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

62.7425, 73.4784, 69.2684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.9210, 82.4361, 59.2607 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(159, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(159, 255, 186)  
}
```

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(159, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 255, 186) }
```

Border

The CSS property to change the border of an element to XYZ 58.9210, 82.4361, 59.2607 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(159, 255, 186) }
```


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

```
.border{ border-color:rgb(159, 255, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 255, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 255, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 255, 186);  
box-shadow:4px 4px 4px 4px rgb(159, 255,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 58.9210, 82.4361, 59.2607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 255, 186) }
```

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

```
.background{ background-color: rgb(159,  
255, 186) }
```

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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