

Converting Colors

XYZ(67.8836, 100.0000,
77.6950)

Have a look what the booklet for
XYZ(67.8836, 100.0000, 77.6950)
contains.

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Color

**XYZ(58.9714, 82.1131,
75.0287)**

Conversions

Conversions Part 1

Format	Color
Hex	8FFFD4
RGB	143, 255, 212
RGB Percent	56%, 100%, 83%
CMY	0.4392, 0.0000, 0.1686
CMYK	0.44, 0.00, 0.17, 0.00
HSL	157°, 100%, 78%
HSV	157°, 44%, 100%
XYZ	58.9714, 82.1131, 75.0287
YIQ	216.6100, -52.9490, -37.1170

Conversions

Conversions Part 2

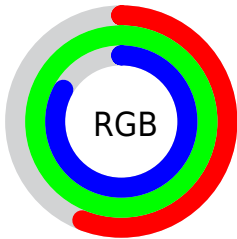
Format	Color
RYB	143, 212, 255
Decimal	9437140
CIELab	92.62, -41.76, 10.63
CIELCh	93, 43.090, 165.715
Yxy	82.1131, 0.2729, 0.3800
Android (android.graphics.Color)	4287627220 (0xFF8FFFD4)
YUV	216.6100, -2.2727, -64.5560
Hunter-Lab	90.6163, -42.4140, 14.3403

Details

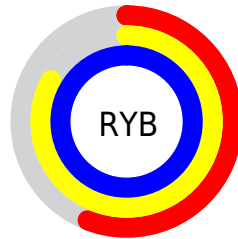
The XYZ color **58.9714, 82.1131, 75.0287** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **59.9260, 44.4512, 51.8766**, and the grayscale version is **65.7275, 69.1504, 75.3048**.

A 20% lighter version of the original color is **77.8974, 91.1575, 108.0973**, and **30.0262, 44.7538, 38.9541** is the 20% darker color. If you saturate the color by 10%, you get **53.8498, 79.6112, 68.5372**, and if you desaturate by 10%, it is **65.1728, 85.1630, 81.9644**.

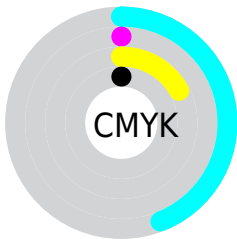
Distribution



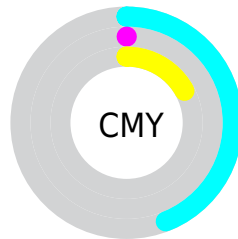
- Red (56%)
- Green (100%)
- Blue (83%)



- Red (56%)
- Yellow (83%)
- Blue (100%)



- Cyan (44%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (44%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.9714, 82.1131, 75.0287 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 58.9714, 82.1131, 75.0287 by changing the saturation by 10% instead.


 58.9714, 82.1131,
75.0287


 58.9714, 82.1131,
75.0287


410.6917,
502.0259, 497.2743

 42.8364, 61.4588,
55.1345


 102.4510,
136.3326, 128.1005

 29.9507, 44.5955,
39.1101


 130.5262,
170.6665, 162.1151

 19.9491, 31.1389,
26.5369


163.3122,
210.3292, 201.6737

 12.4661, 20.7047,
16.9964

201.1744,
255.7048, 247.1948

 7.1364, 12.9083,
10.0700

244.4781,
307.1779, 299.0968

 3.5946, 7.3654,
5.3392

293.5886,

 1.4755, 3.6917,

365.1329, 357.7984

2.3854

348.8714,
429.9541, 423.7180

■ 0.3090, 1.5026,
0.7785

■ 0.0000, 0.2906,
0.0000

■ 58.9714, 82.1131,
75.0287

■ 58.9714, 82.1131,
75.0287

■ 53.8498, 79.6112,
68.5372

■ 65.1728, 85.1630,
81.9644

■ 49.7353, 77.6200,
62.4756

■ 72.5152, 88.7923,
89.3497

■ 46.5498, 76.0994,
56.8345

■ 81.0579, 93.0314,
97.1954

■ 44.2021, 75.0025,
51.6024

■ 90.8555, 97.9083,
105.5104

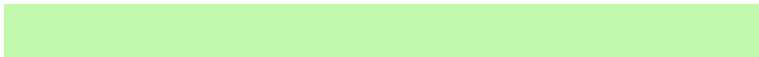
■ 42.5808, 74.2721, 95.0500, 100.0000,
46.7666 108.9000

■ 41.8544, 73.9577,
44.0124

Harmonies

Analogous

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



63.6143, 82.1131, 52.8702



58.9714, 82.1131, 75.0287



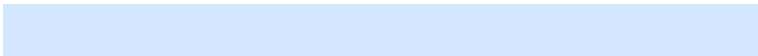
59.0870, 82.1131, 107.1856

Triad

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



58.9714, 82.1131, 75.0287



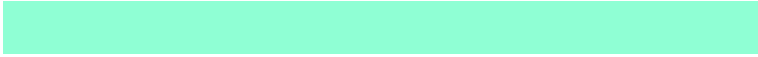
84.0292, 82.1131, 162.9396



94.0787, 82.1131, 52.1062

Complementary

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



58.9714, 82.1131, 75.0287



59.9260, 44.4512, 51.8766

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.



100.6802, 82.1131, 73.7121



58.9714, 82.1131, 75.0287



94.5103, 82.1131, 139.7880

Square

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



58.9714, 82.1131, 75.0287



72.8492, 82.1131, 163.5354



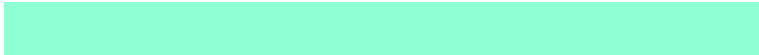
100.8453, 82.1131, 105.5145



83.4843, 82.1131, 41.9468

Rectangle

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



58.9714, 82.1131, 75.0287



61.8255, 82.1131, 130.4868



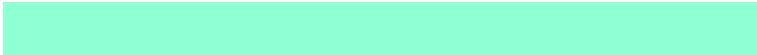
100.8453, 82.1131, 105.5145



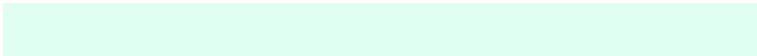
96.8811, 82.1131, 58.0044

Sweetspot

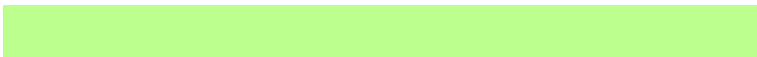
The Sweet Spot groups the original color and five complimentary colors.



58.9722, 82.1135, 75.0301



81.9063, 93.4531, 97.9409



61.4085, 84.1695, 38.9977



17.0996, 19.7882, 20.5821



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

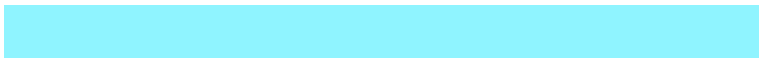
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.9722, 82.1135, 75.0301



54.2779, 79.8195, 69.1165



61.6689, 77.6412, 106.3437



18.2420, 20.3563, 21.5772



21.9450, 38.6746, 23.3934



2.1901, 3.7870, 2.5590

Inverse Universe

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



59.9260, 44.4512, 51.8766



55.3596, 37.6253, 43.2420



57.7873, 46.4216, 31.9025



18.2980, 18.1025, 20.1863



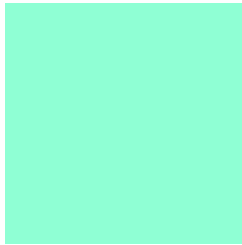
22.7655, 11.5955, 7.4157



2.2680, 1.1496, 0.9926

Previews

White Background



This preview shows how the XYZ color 58.9714, 82.1131, 75.0287 looks on a white background.

Color Contrast Check

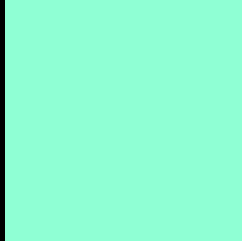
Large Text (above 18pt) WCAG AA × Fail

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 58.9714, 82.1131, 75.0287 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 58.9714, 82.1131, 75.0287

Background



This preview shows how black text looks on a background with the XYZ color 58.9714, 82.1131, 75.0287.



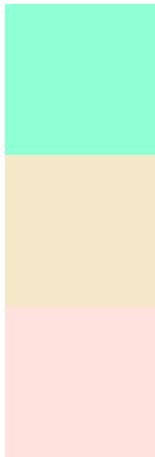
This preview shows how white text looks on a background with the XYZ color 58.9714, 82.1131,

75.0287.

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

58.9714, 82.1131, 75.0287

Protanopia

76.5902, 81.1165, 66.2639

Deuteranopia

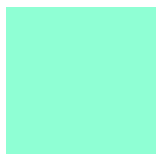
81.4875, 80.8732, 79.7218



Tritanopia

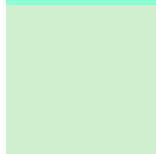
70.7884, 81.5431, 106.6162

Trichromacy



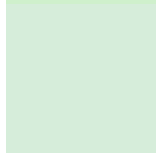
Original Color

58.9714, 82.1131, 75.0287



Protanomaly

67.7913, 79.9452, 68.9847



Deuteranomaly

70.6706, 79.9265, 78.0323



Tritanomaly

65.8540, 81.5242, 93.9262

Monochromacy



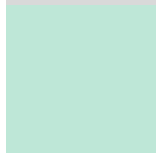
Original Color

58.9714, 82.1131, 75.0287



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

62.0769, 73.0053, 75.1096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.9714, 82.1131, 75.0287 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(143, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(143, 255, 212)  
}
```

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(143, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 255, 212) }
```

Border

The CSS property to change the border of an element to XYZ 58.9714, 82.1131, 75.0287 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(143, 255, 212) }
```


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

```
.border{ border-color:rgb(143, 255, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(143, 255,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 58.9714, 82.1131, 75.0287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 255, 212) }
```

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

```
.background{ background-color: rgb(143,  
255, 212) }
```

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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