

Converting Colors

XYZ(59.9102, 82.5496, 77.2207)

Have a look what the booklet for
XYZ(59.9102, 82.5496, 77.2207)
contains.

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Color

**XYZ(59.8798, 82.5373,
77.0653)**

Conversions

Conversions Part 1

Format	Color
Hex	92FFD7
RGB	146, 255, 215
RGB Percent	57%, 100%, 84%
CMY	0.4274, 0.0000, 0.1569
CMYK	0.43, 0.00, 0.16, 0.00
HSL	158°, 100%, 79%
HSV	158°, 43%, 100%
XYZ	59.8798, 82.5373, 77.0653
YIQ	217.8490, -52.1240, -35.5480

Conversions

Conversions Part 2

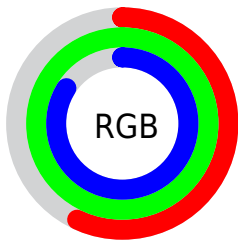
Format	Color
RYB	146, 213, 255
Decimal	9633751
CIELab	92.81, -40.38, 9.37
CIELCh	93, 41.456, 166.938
Yxy	82.5373, 0.2728, 0.3761
Android (android.graphics.Color)	4287823831 (0xFF92FFD7)
YUV	217.8490, -1.4046, -63.0116
Hunter-Lab	90.8500, -41.3372, 13.3011

Details

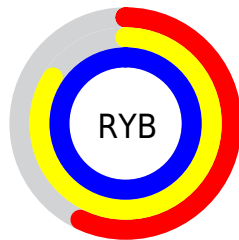
The XYZ color **59.8798, 82.5373, 77.0653** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **60.3824, 45.3639, 52.0285**, and the grayscale version is **66.5716, 70.0385, 76.2719**.

A 20% lighter version of the original color is **78.7118, 91.5774, 108.1354**, and **30.5637, 45.0009, 40.3329** is the 20% darker color. If you saturate the color by 10%, you get **54.6731, 79.9881, 70.7240**, and if you desaturate by 10%, it is **66.1678, 85.6359, 83.8190**.

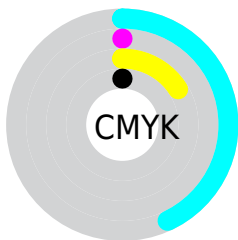
Distribution



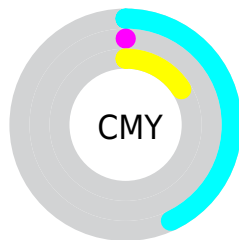
- Red (57%)
- Green (100%)
- Blue (84%)



- Red (57%)
- Yellow (84%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (43%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.8798, 82.5373, 77.0653 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 59.8798, 82.5373, 77.0653 by changing the saturation by 10% instead.


 59.8798, 82.5373,
77.0653


 59.8798, 82.5373,
77.0653


413.9964,
503.4432, 504.4302

 43.5708, 61.8085,
56.7946


 103.7626,
136.9272, 131.0055

 30.5297, 44.8780,
40.4321


 132.0672,
171.3572, 165.5121

 20.3911, 31.3613,
27.5592


165.1010,
211.1229, 205.6010

 12.7896, 20.8742,
17.7575

203.2295,
256.6089, 251.6909

 7.3598, 13.0320,
10.6084

246.8179,
308.1996, 304.2002

 3.7364, 7.4506,
5.6933


296.2316,


 1.5541, 3.7455,


366.2792, 363.5475


2.5938


351.8360,
431.2323, 430.1513


 0.3622, 1.5322,
0.8892


 0.0000, 0.3112,
0.0000


 59.8798, 82.5373,
77.0653


 59.8798, 82.5373,
77.0653


 54.6731, 79.9881,
70.7240

 66.1678, 85.6359,
83.8190


 50.4761, 77.9517,
64.7818

 73.5974, 89.3150,
90.9896

 47.2122, 76.3885,
59.2302

 82.2275, 93.6047,
98.5869

 44.7918, 75.2527,
54.0589

 92.1118, 98.5327,
106.6190

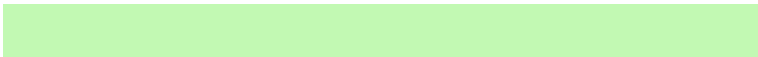
■ 43.1068, 74.4886, 95.0500, 100.0000,
49.2563 108.9000

■ 42.2305, 74.1082,
45.9932

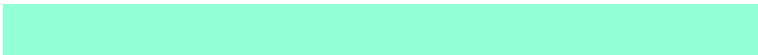
Harmonies

Analogous

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



64.2111, 82.5373, 55.0194



59.8798, 82.5373, 77.0653



60.1844, 82.5373, 108.3668

Triad

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



59.8798, 82.5373, 77.0653



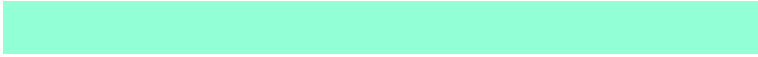
84.6670, 82.5373, 159.7580



93.5275, 82.5373, 52.9910

Complementary

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



59.8798, 82.5373, 77.0653



60.3824, 45.3639, 52.0285

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.



100.0794, 82.5373, 73.6061



59.8798, 82.5373, 77.0653



94.6503, 82.5373, 136.9940

Square

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



59.8798, 82.5373, 77.0653



73.8409, 82.5373, 161.2930



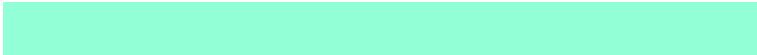
100.5083, 82.5373, 104.0179



83.2454, 82.5373, 43.4302

Rectangle

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



59.8798, 82.5373, 77.0653



62.9691, 82.5373, 130.6361



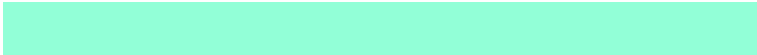
100.5083, 82.5373, 104.0179



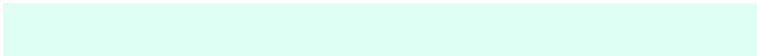
96.2788, 82.5373, 58.6107

Sweetspot

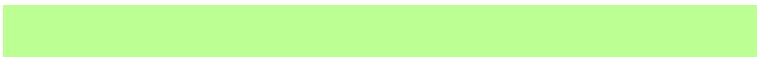
The Sweet Spot groups the original color and five complimentary colors.



59.8806, 82.5377, 77.0667



81.9910, 93.4870, 98.3870



61.6347, 84.2595, 40.2106



17.1206, 19.7966, 20.6925



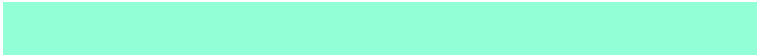
0.0000, 0.0000, 0.0000



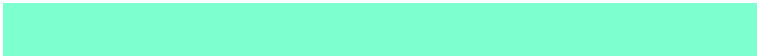
20.3446, 21.4041, 23.3091

Same Dimension

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



59.8806, 82.5377, 77.0667



55.5065, 80.3947, 71.8010



61.7412, 77.0045, 106.2170



18.2555, 20.3617, 21.6483



22.1407, 38.7529, 24.4242



2.2084, 3.7943, 2.6554

Inverse Universe

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



60.3824, 45.3639, 52.0285



56.0786, 38.9191, 43.9263



58.7785, 48.0353, 33.3691



18.2849, 18.0973, 20.1175



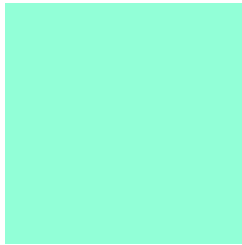
22.6600, 11.5533, 6.8602



2.2568, 1.1451, 0.9335

Previews

White Background



This preview shows how the XYZ color 59.8798, 82.5373, 77.0653 looks on a white background.

Color Contrast Check

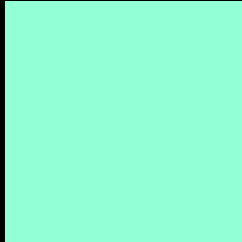
Large Text (above 18pt) WCAG AA × Fail

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 59.8798, 82.5373, 77.0653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

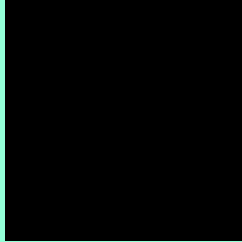
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

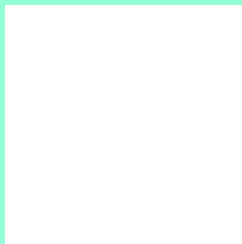
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.8798, 82.5373, 77.0653

Background



This preview shows how black text looks on a background with the XYZ color 59.8798, 82.5373, 77.0653.

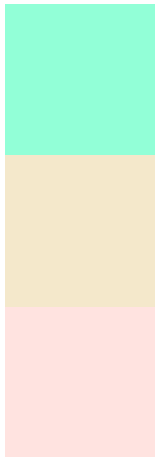


This preview shows how white text looks on a background with the XYZ color 59.8798, 82.5373,

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

59.8798, 82.5373, 77.0653

Protanopia

76.9443, 81.2581, 68.1289

Deuteranopia

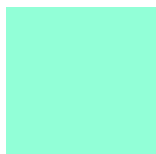
82.1636, 81.5800, 81.9370



Tritanopia

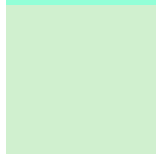
71.5404, 81.9307, 106.6514

Trichromacy



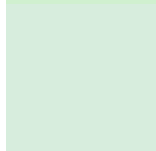
Original Color

59.8798, 82.5373, 77.0653



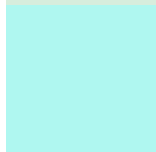
Protanomaly

68.4350, 80.2351, 70.9115



Deuteranomaly

71.3597, 80.2359, 80.1326



Tritanomaly

66.6681, 81.9268, 94.7377

Monochromacy



Original Color

59.8798, 82.5373, 77.0653



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

62.8385, 73.3680, 76.4951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.8798, 82.5373, 77.0653 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(146, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(146, 255, 215)  
}
```

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(146, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 255, 215) }
```

Border

The CSS property to change the border of an element to XYZ 59.8798, 82.5373, 77.0653 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(146, 255, 215) }
```


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

```
.border{ border-color:rgb(146, 255, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 255, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(146, 255,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 59.8798, 82.5373, 77.0653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 255, 215) }
```

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

```
.background{ background-color: rgb(146,  
255, 215) }
```

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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