

Converting Colors

XYZ(58.9964, 81.5648, 75.9647)

Have a look what the booklet for
XYZ(58.9964, 81.5648, 75.9647)
contains.

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Color

**XYZ(59.0810, 81.6680,
76.2679)**

Conversions

Conversions Part 1

Format	Color
Hex	90FED6
RGB	144, 254, 214
RGB Percent	56%, 100%, 84%
CMY	0.4353, 0.0039, 0.1608
CMYK	0.43, 0.00, 0.16, 0.00
HSL	158°, 98%, 78%
HSV	158°, 43%, 100%
XYZ	59.0810, 81.6680, 76.2679
YIQ	216.5500, -52.7200, -35.7600

Conversions

Conversions Part 2

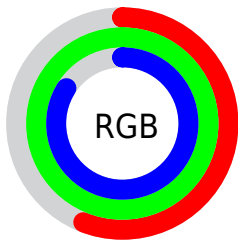
Format	Color
RYB	144, 211, 254
Decimal	9502422
CIELab	92.43, -40.65, 9.33
CIELCh	92, 41.702, 167.078
Yxy	81.6680, 0.2722, 0.3763
Android (android.graphics.Color)	4287692502 (0xFF90FED6)
YUV	216.5500, -1.2572, -63.6264
Hunter-Lab	90.3703, -41.4510, 13.2216

Details

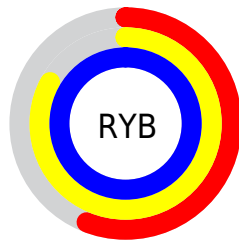
The XYZ color **59.0810, 81.6680, 76.2679** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **59.5008, 44.4800, 50.8000**, and the grayscale version is **65.6814, 69.1020, 75.2520**.

A 20% lighter version of the original color is **78.1671, 91.2966, 108.1099**, and **30.0620, 44.4141, 39.7892** is the 20% darker color. If you saturate the color by 10%, you get **53.9877, 79.1769, 70.0462**, and if you desaturate by 10%, it is **65.2437, 84.7069, 82.8925**.

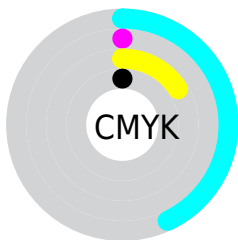
Distribution



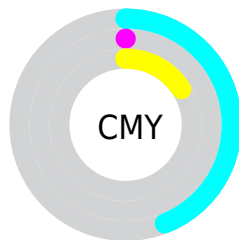
- Red (56%)
- Green (100%)
- Blue (84%)



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



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





- Cyan (44%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.0810, 81.6680, 76.2679 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 59.0810, 81.6680, 76.2679 by changing the saturation by 10% instead.


 59.0810, 81.6680,
76.2679


 59.0810, 81.6680,
76.2679


411.0913,
500.5365, 501.6355

 42.9249, 61.0919,
56.1442


 102.6093,
135.7083, 129.8691

 30.0205, 44.2993,
39.9138


 130.7123,
169.9414, 164.1837

 20.0023, 30.9059,
27.1581


163.5283,
209.4955, 204.0657

 12.5050, 20.5272,
17.4585

201.4227,
254.7551, 249.9336

 7.1632, 12.7789,
10.3965

244.7609,
306.1046, 302.2060

 3.6116, 7.2764,
5.5536

293.9081,

 1.4849, 3.6356,

363.9284, 361.3014

2.5112

349.2298,
428.6109, 427.6384

■ 0.3155, 1.4719,
0.8461

■ 0.0000, 0.2688,
0.0000

■ 59.0810, 81.6680,
76.2679

■ 59.0810, 81.6680,
76.2679

■ 53.9877, 79.1769,
70.0462

■ 65.2437, 84.7069,
82.8925

■ 49.8881, 77.1884,
64.2127

■ 72.5315, 88.3159,
89.9228

■ 46.7073, 75.6660,
58.7600

■ 81.0043, 92.5277,
97.3688

■ 44.3558, 74.5638,
53.6776

■ 90.7156, 97.3699,
105.2385

■ 42.7253, 73.8261,
48.9544

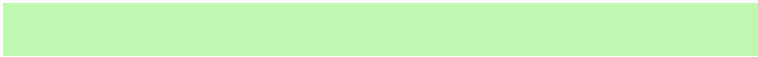
94.7333, 99.3666,
108.7944

■ 41.9324, 73.4823,
45.9858

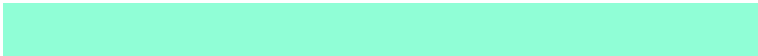
Harmonies

Analogous

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



63.3799, 81.6680, 54.2420



59.0810, 81.6680, 76.2679



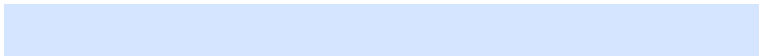
59.4067, 81.6680, 107.5682

Triad

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



59.0810, 81.6680, 76.2679



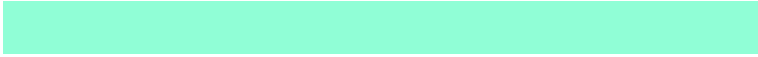
83.8863, 81.6680, 158.7983



92.6504, 81.6680, 52.0767

Complementary

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



59.0810, 81.6680, 76.2679



59.5008, 44.4800, 50.8000

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.



99.2275, 81.6680, 72.5666



59.0810, 81.6680, 76.2679



93.8545, 81.6680, 135.9155

Square

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



59.0810, 81.6680, 76.2679



73.0685, 81.6680, 160.4480



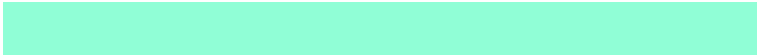
99.6876, 81.6680, 102.9049



82.3629, 81.6680, 42.6184

Rectangle

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



59.0810, 81.6680, 76.2679



62.1977, 81.6680, 129.8414



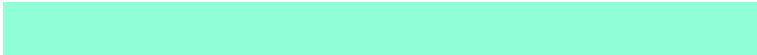
99.6876, 81.6680, 102.9049



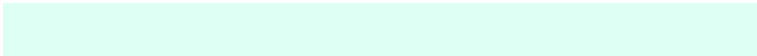
95.4085, 81.6680, 57.6540

Sweetspot

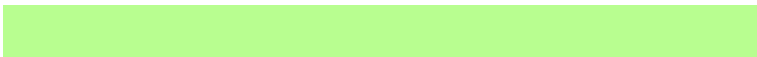
The Sweet Spot groups the original color and five complimentary colors.



59.0833, 81.6713, 76.2698



82.0076, 93.4937, 98.4742



60.3255, 83.1323, 39.2534



17.1247, 19.7983, 20.7141



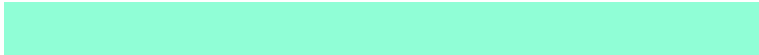
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



59.0833, 81.6713, 76.2698



55.0783, 80.1810, 71.4637



60.3577, 75.0166, 105.0683



18.2581, 20.3628, 21.6622



22.1797, 38.7685, 24.6294



2.2120, 3.7957, 2.6745

Inverse Universe

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



59.5008, 44.4800, 50.8000



55.5633, 38.2033, 42.7843



58.2505, 47.7683, 32.5368



18.2824, 18.0963, 20.1041



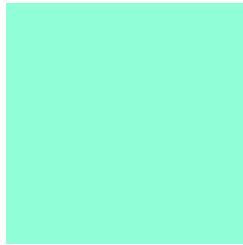
22.6401, 11.5453, 6.7552



2.2546, 1.1442, 0.9223

Previews

White Background



This preview shows how the XYZ color 59.0810, 81.6680, 76.2679 looks on a white background.

Color Contrast Check

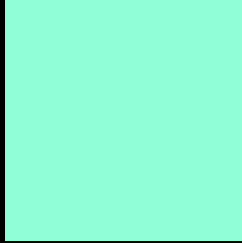
Large Text (above 18pt) WCAG AA × Fail

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 59.0810, 81.6680, 76.2679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

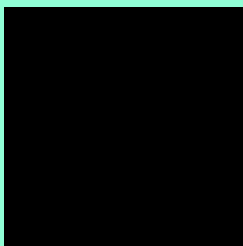
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

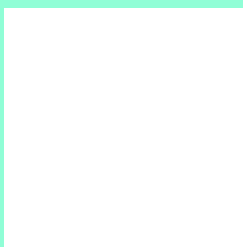
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.0810, 81.6680, 76.2679

Background



This preview shows how black text looks on a background with the XYZ color 59.0810, 81.6680, 76.2679.

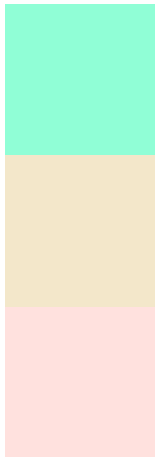


This preview shows how white text looks on a background with the XYZ color 59.0810, 81.6680,

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

59.0810, 81.6680, 76.2679

Protanopia

76.1987, 80.4708, 67.3934

Deuteranopia

81.3500, 80.3844, 80.3354



Tritanopia

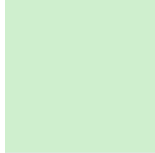
70.5412, 81.4156, 106.6046

Trichromacy



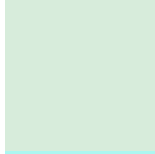
Original Color

59.0810, 81.6680, 76.2679



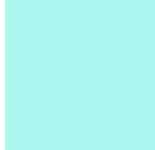
Protanomaly

67.7392, 79.4546, 70.1586



Deuteranomaly

70.8060, 79.5525, 78.6411



Tritanomaly

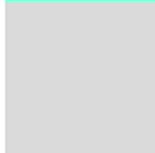
65.6972, 80.9735, 94.6049

Monochromacy



Original Color

59.0810, 81.6680, 76.2679



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

61.9267, 72.4986, 75.6955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.0810, 81.6680, 76.2679 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(144, 254, 214)` looks like.

```
.text, #text, p{  
    color:rgb(144, 254, 214)  
}
```

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(144, 254, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 254, 214) }
```

Border

The CSS property to change the border of an element to XYZ 59.0810, 81.6680, 76.2679 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(144, 254, 214) }
```


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

```
.border{ border-color:rgb(144, 254, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 254, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 254, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 254, 214);  
box-shadow:4px 4px 4px 4px rgb(144, 254,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 59.0810, 81.6680, 76.2679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 254, 214) }
```

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

```
.background{ background-color: rgb(144,  
254, 214) }
```

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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