

Converting Colors

XYZ(59.5811, 80.0354, 98.9834)

Have a look what the booklet for
XYZ(59.5811, 80.0354, 98.9834)
contains.

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Color

**XYZ(59.5828, 80.0226,
98.6918)**

Conversions

Conversions Part 1

Format	Color
Hex	7EFBF5
RGB	126, 251, 245
RGB Percent	49%, 98%, 96%
CMY	0.5059, 0.0157, 0.0392
CMYK	0.50, 0.00, 0.02, 0.02
HSL	177°, 94%, 74%
HSV	177°, 50%, 98%
XYZ	59.5828, 80.0226, 98.6918
YIQ	212.9410, -72.5740, -28.3660

Conversions

Conversions Part 2

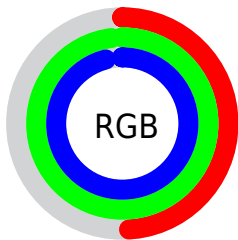
Format	Color
RYB	126, 190, 251
Decimal	8322037
CIELab	91.70, -36.28, -7.87
CIELCh	92, 37.126, 192.244
Yxy	80.0226, 0.2500, 0.3358
Android (android.graphics.Color)	4286512117 (0xFF7EFBF5)
YUV	212.9410, 15.8051, -76.2473
Hunter-Lab	89.4554, -37.6548, -2.7931

Details

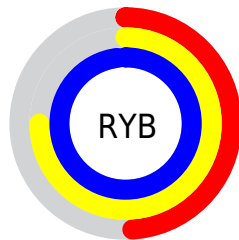
The XYZ color **59.5828, 80.0226, 98.6918** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **51.4121, 37.0992, 26.2837**, and the grayscale version is **63.1410, 66.4292, 72.3414**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **30.3406, 43.2184, 54.8870** is the 20% darker color. If you saturate the color by 10%, you get **56.1529, 78.2775, 97.5755**, and if you desaturate by 10%, it is **63.9470, 82.2530, 99.8616**.

Distribution



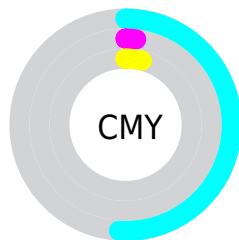
- Red (49%)
- Green (98%)
- Blue (96%)



- Red (49%)
- Yellow (75%)
- Blue (98%)



- Cyan (50%)
- Magenta (0%)
- Yellow (2%)
- Black (2%)





- Cyan (51%)
- Magenta (2%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.5828, 80.0226, 98.6918 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 59.5828, 80.0226, 98.6918 by changing the saturation by 10% instead.


 59.5828, 80.0226,
98.6918


 59.5828, 80.0226,
98.6918


412.9177,
495.0090, 577.2011


 43.3306, 59.7370,
74.5977


 103.3340,
133.3975, 161.3944

 30.3403, 43.2066,
54.7836


 131.5638,
167.2556, 200.8400

 20.2464, 30.0473,
38.8311


 164.5168,
206.4065, 246.2398

 12.6835, 19.8745,
26.3215

202.5583,
251.2348, 298.0123

 7.2865, 12.3038,
16.8364

246.0539,
302.1248, 356.5762

 3.6898, 6.9510,
9.9572

295.3687,

 1.5282, 3.4314,

359.4609, 422.3499

5.2654

350.8682,
423.6275, 495.7520

■ 0.3449, 1.3609,
2.3423

■ 0.0000, 0.1876,
0.7548

■ 59.5828, 80.0226,
98.6918

■ 59.5828, 80.0226,
98.6918

■ 56.1529, 78.2775,
97.5755

■ 63.9470, 82.2530,
99.8616

■ 53.5794, 76.9719,
96.5038


■ 69.3019, 84.9920,
101.0823


■ 51.7838, 76.0671,
95.4747


■ 75.7077, 88.2728,
102.3584


■ 50.6695, 75.5134,
94.4837


■ 83.2179, 92.1227,
103.6925


 50.0811, 75.2308,
93.5236

 91.8823, 96.5674,
105.0869

 50.0713, 75.2261,
93.5045

 93.3463, 97.3001,
106.1507

 93.5382, 97.3769,
107.1613

 93.7313, 97.4541,
108.1782

 93.7885, 97.4770,
108.4795

Harmonies

Analogous

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



59.9696, 80.0226, 72.1449



59.5828, 80.0226, 98.6918



63.3337, 80.0226, 127.2022

Triad

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



59.5828, 80.0226, 98.6918



88.9992, 80.0226, 131.8302



81.7611, 80.0226, 46.2332

Complementary

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



59.5828, 80.0226, 98.6918



51.4121, 37.0992, 26.2837

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.



90.3841, 80.0226, 56.5059



59.5828, 80.0226, 98.6918



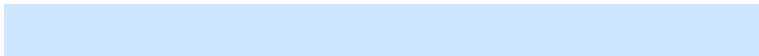
94.7961, 80.0226, 104.0608

Square

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



59.5828, 80.0226, 98.6918



79.9954, 80.0226, 148.8354



95.3231, 80.0226, 76.5102



72.2541, 80.0226, 45.3860

Rectangle

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



59.5828, 80.0226, 98.6918



67.8731, 80.0226, 142.0473



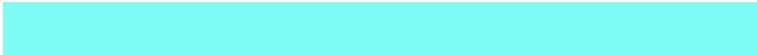
95.3231, 80.0226, 76.5102



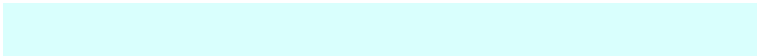
84.8781, 80.0226, 48.5815

Sweetspot

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



59.5852, 80.0257, 98.6937



82.0567, 93.3357, 106.7556



47.8204, 75.4296, 31.7794



17.2187, 19.8010, 22.7880



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.



59.5852, 80.0257, 98.6937



58.1290, 81.1006, 101.1152



45.4784, 50.3217, 98.5864



17.7277, 19.5934, 22.0326



26.3346, 39.5468, 49.2326



2.4498, 3.6670, 4.6166

Inverse Universe

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



51.4121, 37.0992, 26.2837



48.7704, 31.8744, 18.1480



60.3316, 55.5769, 27.2880



17.2784, 17.2387, 18.0558



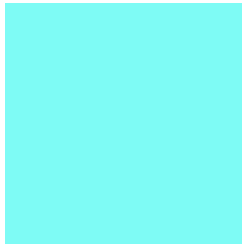
20.9616, 10.8003, 1.2401



1.9529, 1.0049, 0.1754

Previews

White Background



This preview shows how the XYZ color 59.5828, 80.0226, 98.6918 looks on a white background.

Color Contrast Check

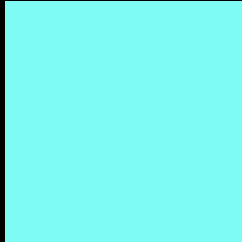
Large Text (above 18pt) WCAG AA × Fail

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 59.5828, 80.0226, 98.6918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

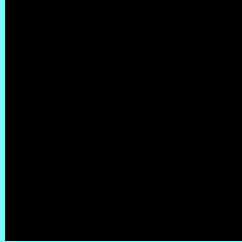
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.5828, 80.0226, 98.6918

Background



This preview shows how black text looks on a background with the XYZ color 59.5828, 80.0226, 98.6918.

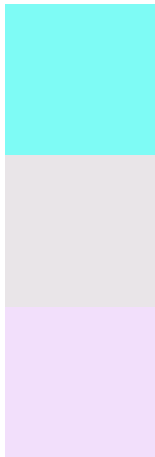


This preview shows how white text looks on a background with the XYZ color 59.5828, 80.0226,

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

59.5828, 80.0226, 98.6918

Protanopia

76.1891, 79.1885, 87.6132

Deuteranopia

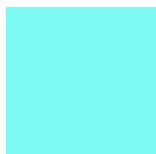
80.4182, 78.6176, 102.2030



Tritanopia

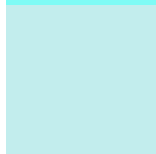
67.1845, 79.2446, 106.3625

Trichromacy



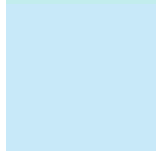
Original Color

59.5828, 80.0226, 98.6918



Protanomaly

67.8184, 78.1521, 91.6312



Deuteranomaly

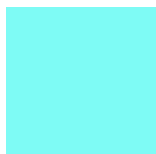
70.0572, 77.3967, 100.8692



Tritanomaly

63.9696, 79.4379, 103.2283

Monochromacy



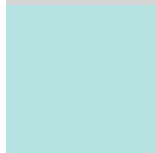
Original Color

59.5828, 80.0226, 98.6918



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

60.1157, 70.1982, 81.6153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.5828, 80.0226, 98.6918 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(126, 251, 245)` looks like.

```
.text, #text, p{  
    color:rgb(126, 251, 245)  
}
```

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(126, 251, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 251, 245) }
```

Border

The CSS property to change the border of an element to XYZ 59.5828, 80.0226, 98.6918 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(126, 251, 245) }
```


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

```
.border{ border-color:rgb(126, 251, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 251, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 251, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 251, 245);  
box-shadow:4px 4px 4px 4px rgb(126, 251,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 59.5828, 80.0226, 98.6918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 251, 245) }
```

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

```
.background{ background-color: rgb(126,  
251, 245) }
```

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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