

Converting Colors

XYZ(59.7552, 80.2593,
106.9499)

Have a look what the booklet for
XYZ(59.7552, 80.2593, 106.9499)
contains.

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Color

**XYZ(59.7998, 80.4182,
106.9782)**

Conversions

Conversions Part 1

Format	Color
Hex	72FCFF
RGB	114, 252, 255
RGB Percent	45%, 99%, 100%
CMY	0.5529, 0.0117, 0.0000
CMYK	0.55, 0.01, 0.00, 0.00
HSL	181°, 100%, 72%
HSV	181°, 55%, 100%
XYZ	59.7998, 80.4182, 106.9782
YIQ	211.0800, -83.2110, -28.3230

Conversions

Conversions Part 2

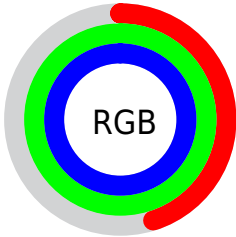
Format	Color
RYB	114, 184, 255
Decimal	7535871
CIELab	91.87, -36.53, -12.84
CIElCh	92, 38.717, 199.369
Yxy	80.4182, 0.2419, 0.3253
Android (android.graphics.Color)	4285725951 (0xFF72FCFF)
YUV	211.0800, 21.6526, -85.1392
Hunter-Lab	89.6762, -37.9022, -7.9560

Details

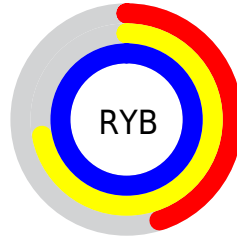
The XYZ color **59.7998, 80.4182, 106.9782** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **50.6392, 35.1983, 20.0465**, and the grayscale version is **61.8728, 65.0950, 70.8884**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **30.4711, 43.5007, 60.2166** is the 20% darker color. If you saturate the color by 10%, you get **56.7644, 78.6030, 106.7878**, and if you desaturate by 10%, it is **63.7643, 82.7168, 107.2130**.

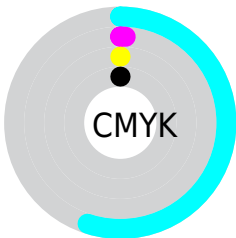
Distribution



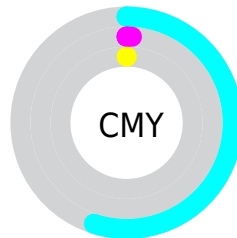
- Red (45%)
- Green (99%)
- Blue (100%)



- Red (45%)
- Yellow (72%)
- Blue (100%)



- Cyan (55%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)





- Cyan (55%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.7998, 80.4182, 106.9782 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 59.7998, 80.4182, 106.9782 by changing the saturation by 10% instead.


 59.7998, 80.4182,
106.9782


 59.7998, 80.4182,
106.9782


413.7060,
496.3411, 603.7779

 43.5061, 60.0625,
81.4917


 103.6472,
133.9535, 172.8495

 30.4787, 43.4691,
60.4133


 131.9316,
167.9020, 214.0713

 20.3521, 30.2533,
43.3244


 164.9437,
207.1502, 261.3754

 12.7610, 20.0309,
29.8064

203.0488,
252.0826, 315.1803

 7.3400, 12.4175,
19.4409

246.6122,
303.0834, 375.9044

 3.7239, 7.0287,
11.8093

295.9993,

 1.5471, 3.4801,

360.5372, 443.9663

6.4930

351.5754,
424.8283, 519.7847

■ 0.3576, 1.3872,
3.0735

■ 0.0000, 0.2073,
1.1323

■ 59.7998, 80.4182,
106.9782

■ 59.7998, 80.4182,
106.9782

■ 56.7644, 78.6030,
106.7878

■ 63.7643, 82.7168,
107.2130

■ 54.5726, 77.2215,
106.6367

■ 68.7214, 85.5260,
107.4939

■ 53.1346, 76.2294,
106.5210

■ 74.7364, 88.8812,
107.8245

■ 52.3366, 75.5679,
106.4354

■ 81.8671, 92.8124,
108.2075

■ 52.1057, 75.3314,
106.4019

■ 90.1674, 97.3473,
108.6453

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



59.1628, 80.4182, 77.8558



59.7998, 80.4182, 106.9782



64.6634, 80.4182, 135.9636

Triad

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



59.7998, 80.4182, 106.9782



91.8608, 80.4182, 128.2164



80.0121, 80.4182, 44.0630

Complementary

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



59.7998, 80.4182, 106.9782



50.6392, 35.1983, 20.0465

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.



89.5552, 80.4182, 52.2727



59.7998, 80.4182, 106.9782



96.7790, 80.4182, 98.0426

Square

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



59.7998, 80.4182, 106.9782



82.9440, 80.4182, 149.9452



95.9005, 80.4182, 70.6494



70.2759, 80.4182, 45.4413

Rectangle

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



59.7998, 80.4182, 106.9782



69.9027, 80.4182, 149.3560



95.9005, 80.4182, 70.6494



83.3622, 80.4182, 45.7080

Sweetspot

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



59.8020, 80.4212, 106.9787



80.5674, 92.0988, 108.1382



45.8735, 76.3671, 28.9545



16.9269, 19.5381, 23.1290



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.



59.8020, 80.4212, 106.9787



56.5822, 78.4912, 106.7759



41.7497, 44.3166, 100.9613



18.5198, 20.4113, 23.2136



27.2413, 39.3923, 55.6023



2.6625, 3.8557, 5.4172

Inverse Universe

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



64.8294, 40.3247, 96.4653



62.1034, 35.0197, 95.1037



62.0168, 57.9535, 23.8391



18.7750, 18.2933, 22.6985



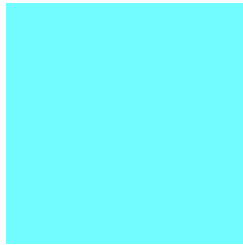
30.5384, 14.7046, 48.3469



2.9785, 1.4338, 4.7343

Previews

White Background



This preview shows how the XYZ color 59.7998, 80.4182, 106.9782 looks on a white background.

Color Contrast Check

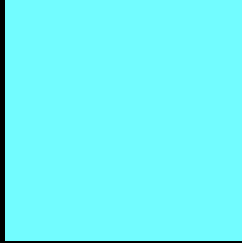
Large Text (above 18pt) WCAG AA × Fail

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 59.7998, 80.4182, 106.9782 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 59.7998, 80.4182, 106.9782

Background



This preview shows how black text looks on a background with the XYZ color 59.7998, 80.4182, 106.9782.

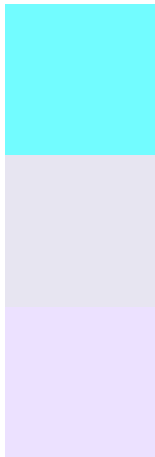


This preview shows how white text looks on a background with the XYZ color 59.7998, 80.4182,

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

59.7998, 80.4182, 106.9782

Protanopia

76.8515, 79.3784, 94.4901

Deuteranopia

79.5673, 78.9033, 105.6440



Tritanopia

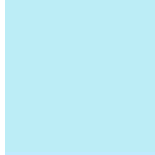
67.2577, 79.7229, 106.4510

Trichromacy



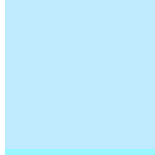
Original Color

59.7998, 80.4182, 106.9782



Protanomaly

67.6578, 77.9136, 98.6617



Deuteranomaly

69.4966, 77.8431, 105.9701



Tritanomaly

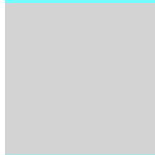
63.9547, 79.8069, 106.6413

Monochromacy



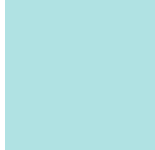
Original Color

59.7998, 80.4182, 106.9782



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

58.9660, 69.1689, 82.9161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.7998, 80.4182, 106.9782 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(114, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(114, 252, 255)  
}
```

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(114, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 252, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.7998, 80.4182, 106.9782 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(114, 252, 255) }
```


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

```
.border{ border-color:rgb(114, 252, 255) }
```

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

Here you see how a box with a 4 pixel rgb(114, 252, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(114, 252,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.7998, 80.4182, 106.9782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 252, 255) }
```

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

```
.background{ background-color: rgb(114,  
252, 255) }
```

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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