

Converting Colors

XYZ(59.7850, 77.7924, 93.8446)

Have a look what the booklet for
XYZ(59.7850, 77.7924, 93.8446)
contains.

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Color

**XYZ(59.8634, 77.9832,
93.5585)**

Conversions

Conversions Part 1

Format	Color
Hex	8FF6EF
RGB	143, 246, 239
RGB Percent	56%, 96%, 94%
CMY	0.4392, 0.0353, 0.0627
CMYK	0.42, 0.00, 0.03, 0.04
HSL	176°, 85%, 76%
HSV	176°, 42%, 96%
XYZ	59.8634, 77.9832, 93.5585
YIQ	214.4050, -59.1410, -24.0130

Conversions

Conversions Part 2

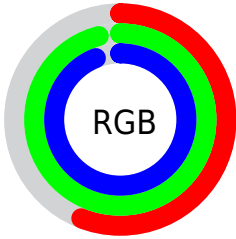
Format	Color
RYB	143, 196, 246
Decimal	9434863
CIELab	90.77, -31.63, -6.05
CIELCh	91, 32.206, 190.825
Yxy	77.9832, 0.2587, 0.3370
Android (android.graphics.Color)	4287624943 (0xFF8FF6EF)
YUV	214.4050, 12.1253, -62.6222
Hunter-Lab	88.3081, -33.5354, -0.9994

Details

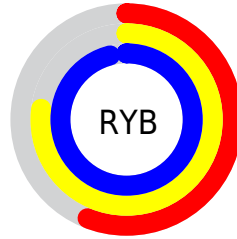
The XYZ color **59.8634, 77.9832, 93.5585** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.3361, 41.4419, 34.0448**, and the grayscale version is **64.1406, 67.4809, 73.4867**.

A 20% lighter version of the original color is **77.8974, 91.1575, 108.0973**, and **30.4010, 41.6989, 51.2461** is the 20% darker color. If you saturate the color by 10%, you get **55.8174, 75.9277, 92.0868**, and if you desaturate by 10%, it is **64.8499, 80.5271, 95.0895**.

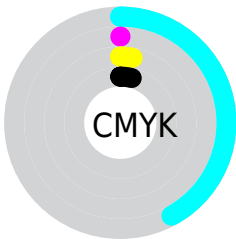
Distribution



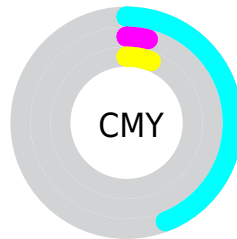
- Red (56%)
- Green (96%)
- Blue (94%)



- Red (56%)
- Yellow (77%)
- Blue (96%)



- Cyan (42%)
- Magenta (0%)
- Yellow (3%)
- Black (4%)





- Cyan (44%)
- Magenta (4%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.8634, 77.9832, 93.5585 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 59.8634, 77.9832, 93.5585 by changing the saturation by 10% instead.


 59.8634, 77.9832,
93.5585


 59.8634, 77.9832,
93.5585


413.9369,
488.1098, 560.4058

 43.5576, 58.0602,
70.3456


 103.7390,
130.5264, 154.2500

 30.5193, 41.8570,
51.3298


 132.0394,
163.9154, 192.5656

 20.3831, 28.9894,
36.0926


165.0688,
202.5619, 236.7526

 12.7837, 19.0728,
24.2154

203.1924,
246.8502, 287.2294

 7.3557, 11.7229,
15.2798

246.7757,
297.1647, 344.4145

 3.7339, 6.5553,
8.8672

296.1840,

 1.5527, 3.1856,

353.8899, 408.7267

4.5590

351.7826,
417.4101, 480.5842

0.3613, 1.2294,
1.9368

0.0000, 0.0855,
0.5160

59.8634, 77.9832,
93.5585

59.8634, 77.9832,
93.5585

55.8174, 75.9277,
92.0868

64.8499, 80.5271,
95.0895

52.6435, 74.3197,
90.6662

70.8263, 83.5791,
96.6771

50.2748, 73.1264,
89.2951

77.8465, 87.1689,
98.3256

48.6317, 72.3070,
87.9698

85.9586, 91.3213,
100.0372

■ 47.6185, 71.8121,
86.6858

■ 91.0419, 93.9121,
101.6191

■ 47.1390, 71.5870,
85.6667

■ 91.3017, 94.0160,
102.9873

■ 91.5639, 94.1209,
104.3678

■ 91.8284, 94.2267,
105.7606

■ 92.0952, 94.3334,
107.1657

Harmonies

Analogous

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



60.3734, 77.9832, 71.0983



59.8634, 77.9832, 93.5585



62.9584, 77.9832, 117.5040

Triad

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



59.8634, 77.9832, 93.5585



84.7661, 77.9832, 123.2939



79.3499, 77.9832, 49.3905

Complementary

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



59.8634, 77.9832, 93.5585



53.3361, 41.4419, 34.0448

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.



86.5300, 77.9832, 58.9812



59.8634, 77.9832, 93.5585



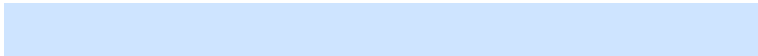
89.8109, 77.9832, 100.4047

Square

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



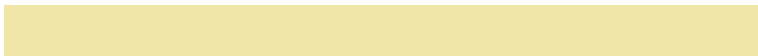
59.8634, 77.9832, 93.5585



77.0818, 77.9832, 136.6341



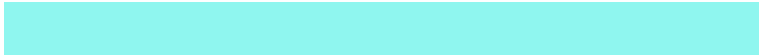
90.4790, 77.9832, 76.8124



71.2364, 77.9832, 48.2296

Rectangle

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



59.8634, 77.9832, 93.5585



66.7911, 77.9832, 130.0679



90.4790, 77.9832, 76.8124



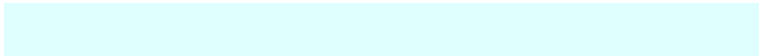
81.9678, 77.9832, 51.6406

Sweetspot

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



59.8657, 77.9863, 93.5603



83.5275, 94.1016, 106.4778



50.7870, 74.5331, 37.6976



17.5027, 19.9495, 22.7051



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

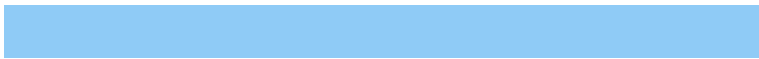
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.8657, 77.9863, 93.5603



61.2726, 82.7447, 100.1979



49.3402, 55.2472, 95.2556



16.9452, 18.7372, 20.9958



25.1813, 38.2174, 45.8359



2.2276, 3.3647, 4.1042

Inverse Universe

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



53.3361, 41.4419, 34.0448



53.3500, 38.3506, 27.9458



60.5080, 56.6613, 33.7357



16.5448, 16.5008, 17.3496



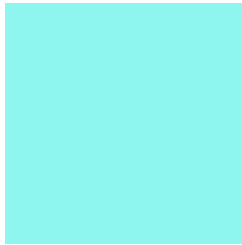
20.3566, 10.4861, 1.3203



1.8048, 0.9279, 0.1985

Previews

White Background



This preview shows how the XYZ color 59.8634, 77.9832, 93.5585 looks on a white background.

Color Contrast Check

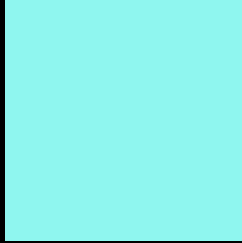
Large Text (above 18pt) WCAG AA × Fail

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 59.8634, 77.9832, 93.5585 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 59.8634, 77.9832, 93.5585

Background



This preview shows how black text looks on a background with the XYZ color 59.8634, 77.9832, 93.5585.



This preview shows how white text looks on a background with the XYZ color 59.8634, 77.9832,

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

59.8634, 77.9832, 93.5585

Protanopia

74.0165, 76.9277, 83.6205

Deuteranopia

78.8035, 77.1218, 96.3206



Tritanopia

65.4941, 77.4991, 106.1147

Trichromacy



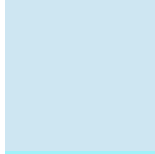
Original Color

59.8634, 77.9832, 93.5585



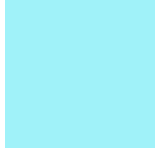
Protanomaly

67.1159, 76.1895, 86.7700



Deuteranomaly

69.7774, 76.1262, 95.0206



Tritanomaly

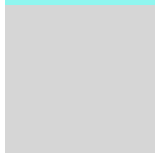
63.3482, 77.8174, 101.3040

Monochromacy



Original Color

59.8634, 77.9832, 93.5585



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

61.2547, 70.4118, 80.1744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.8634, 77.9832, 93.5585 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, 246, 239)` looks like.

```
.text, #text, p{  
    color:rgb(143, 246, 239)  
}
```

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, 246, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 246, 239) }
```

Border

The CSS property to change the border of an element to XYZ 59.8634, 77.9832, 93.5585 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, 246, 239) }
```


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

```
.border{ border-color:rgb(143, 246, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 246, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 246, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 246, 239);  
box-shadow:4px 4px 4px 4px rgb(143, 246,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 59.8634, 77.9832, 93.5585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 246, 239) }
```

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

```
.background{ background-color: rgb(143,  
246, 239) }
```

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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