

Converting Colors

XYZ(59.4439, 72.3460, 98.2503)

Have a look what the booklet for
XYZ(59.4439, 72.3460, 98.2503)
contains.

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Color

**XYZ(59.3838, 72.3695,
98.0276)**

Conversions

Conversions Part 1

Format	Color
Hex	9AEAF6
RGB	154, 234, 246
RGB Percent	60%, 92%, 96%
CMY	0.3961, 0.0823, 0.0353
CMYK	0.37, 0.05, 0.00, 0.04
HSL	188°, 84%, 78%
HSV	188°, 37%, 96%
XYZ	59.3838, 72.3695, 98.0276
YIQ	211.4480, -51.5320, -13.2280

Conversions

Conversions Part 2

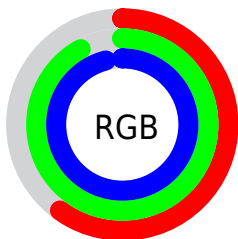
Format	Color
RYB	154, 197, 246
Decimal	10152694
CIELab	88.15, -21.46, -13.56
CIElCh	88, 25.385, 212.281
Yxy	72.3695, 0.2584, 0.3150
Android (android.graphics.Color)	4288342774 (0xFF9AEAF6)
YUV	211.4480, 17.0341, -50.3819
Hunter-Lab	85.0703, -24.2700, -8.7715

Details

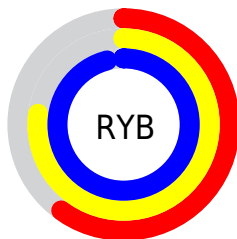
The XYZ color **59.3838, 72.3695, 98.0276** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.4761, 49.1993, 37.0407**, and the grayscale version is **62.1302, 65.3658, 71.1833**.

A 20% lighter version of the original color is **80.9614, 92.7370, 108.2407**, and **30.2517, 38.1552, 54.4855** is the 20% darker color. If you saturate the color by 10%, you get **54.2684, 68.3905, 97.5304**, and if you desaturate by 10%, it is **65.4795, 76.8819, 98.5785**.

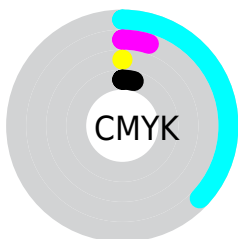
Distribution



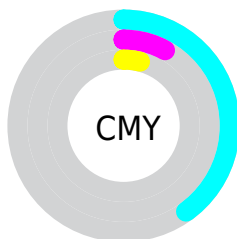
- Red (60%)
- Green (92%)
- Blue (96%)



- Red (60%)
- Yellow (77%)
- Blue (96%)



- Cyan (37%)
- Magenta (5%)
- Yellow (0%)
- Black (4%)



- Cyan (40%)
- Magenta (8%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.3838, 72.3695, 98.0276 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 59.3838, 72.3695, 98.0276 by changing the saturation by 10% instead.

59.3838, 72.3695,
98.0276

59.3838, 72.3695,
98.0276

412.1940,
468.8267, 575.0428

43.1697, 53.4606,
74.0467

103.0467,
122.5817, 160.4722

30.2134, 38.1706,
54.3352

131.2262,
154.6538, 199.7729

20.1495, 26.1151,
38.4747

164.1250,
191.8824, 245.0172

12.6127, 16.9098,
26.0467

202.1083,
234.6519, 296.6238

7.2375, 10.1702,
16.6325

245.5414,
283.3466, 355.0111

3.6587, 5.5119,
9.8136

294.7899,

1.5109, 2.5507,

338.3511, 420.5977

5.1716

350.2189,
400.0496, 493.8021

0.3333, 0.9019,
2.2878

0.0000, 0.0000,
0.7244

59.3838, 72.3695,
98.0276

59.3838, 72.3695,
98.0276

54.2684, 68.3905,
97.5304

65.4795, 76.8819,
98.5785

50.0676, 64.9057,
97.0792


72.6031, 81.9471,
99.1808


46.7181, 61.8840,
96.6725


80.8067, 87.5939,
99.8383


44.1454, 59.2869,
96.3068


90.1372, 93.8466,
100.5535


 42.2619, 57.0692,
95.9780

 92.0743, 96.3129,
100.9274

 40.9532, 55.1717,
95.6807

 93.0799, 98.3242,
101.2626

 40.6613, 54.7068,
95.6064

 93.6348, 99.4339,
101.4476

Harmonies

Analogous

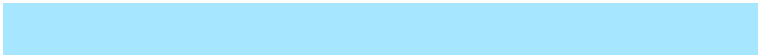
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.7718, 72.3695, 80.1356



59.3838, 72.3695, 98.0276



63.4989, 72.3695, 112.2385

Triad

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



59.3838, 72.3695, 98.0276



79.6405, 72.3695, 95.3870



68.3217, 72.3695, 49.9005

Complementary

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



59.3838, 72.3695, 98.0276



57.4761, 49.1993, 37.0407

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.



74.3567, 72.3695, 52.7622



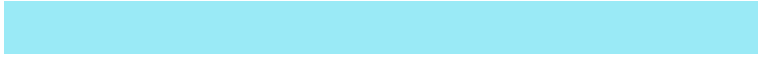
59.3838, 72.3695, 98.0276



81.1159, 72.3695, 77.4755

Square

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



59.3838, 72.3695, 98.0276



75.2072, 72.3695, 110.5631



79.1296, 72.3695, 62.2637



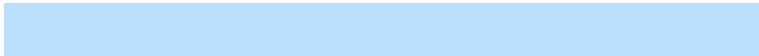
62.7393, 72.3695, 53.7867

Rectangle

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



59.3838, 72.3695, 98.0276



67.2296, 72.3695, 116.7700



79.1296, 72.3695, 62.2637



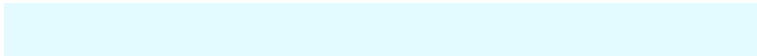
70.3643, 72.3695, 50.1046

Sweetspot

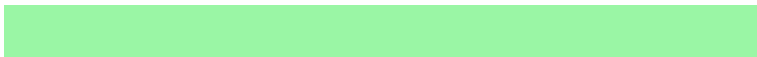
The Sweet Spot groups the original color and five complimentary colors.



59.3860, 72.3723, 98.0293



84.3169, 92.7510, 108.0665



53.0510, 75.4899, 47.2469



17.7861, 19.6731, 23.1098



0.0000, 0.0000, 0.0000



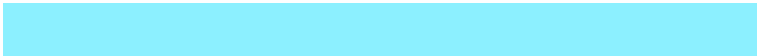
20.3446, 21.4041, 23.3091

Same Dimension

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



59.3860, 72.3723, 98.0293



60.0779, 75.1583, 105.9483



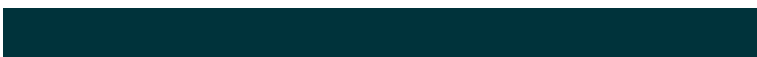
48.2177, 50.0357, 94.3065



16.8016, 18.3674, 21.2023



21.7771, 29.3479, 51.0550



1.9643, 2.6799, 4.5040

Inverse Universe

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



64.4147, 48.6464, 83.8397



66.3881, 46.3827, 87.9194



67.0683, 68.3837, 40.2381



17.1152, 16.7289, 20.3531



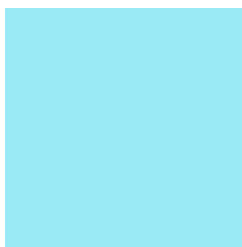
26.7966, 13.0621, 35.2327



2.3805, 1.1582, 3.2302

Previews

White Background



This preview shows how the XYZ color 59.3838, 72.3695, 98.0276 looks on a white background.

Color Contrast Check

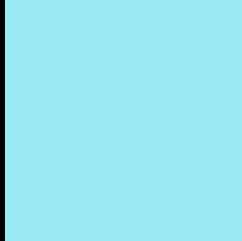
Large Text (above 18pt) WCAG AA × Fail

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 59.3838, 72.3695, 98.0276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

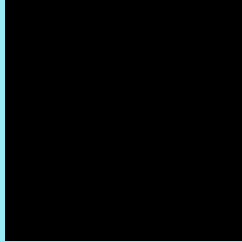
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.3838, 72.3695, 98.0276

Background



This preview shows how black text looks on a background with the XYZ color 59.3838, 72.3695, 98.0276.

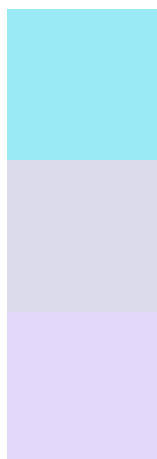


This preview shows how white text looks on a background with the XYZ color 59.3838, 72.3695,

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

59.3838, 72.3695, 98.0276

Protanopia

69.6853, 71.7792, 89.5389

Deuteranopia

73.2343, 71.8339, 100.4479



Tritanopia

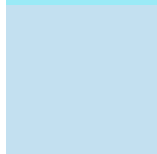
60.4199, 72.3740, 102.8806

Trichromacy



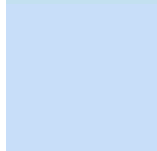
Original Color

59.3838, 72.3695, 98.0276



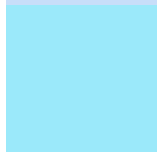
Protanomaly

64.8895, 71.2047, 92.7619



Deuteranomaly

67.0396, 71.3615, 99.8633



Tritanomaly

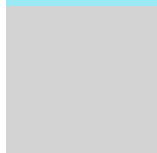
59.9118, 72.1485, 101.2109

Monochromacy



Original Color

59.3838, 72.3695, 98.0276



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

60.0213, 66.9920, 80.2883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.3838, 72.3695, 98.0276 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(154, 234, 246)` looks like.

```
.text, #text, p{  
    color:rgb(154, 234, 246)  
}
```

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(154, 234, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 234, 246) }
```

Border

The CSS property to change the border of an element to XYZ 59.3838, 72.3695, 98.0276 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(154, 234, 246) }
```


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

```
.border{ border-color:rgb(154, 234, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 234, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 234, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 234, 246);  
box-shadow:4px 4px 4px 4px rgb(154, 234,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 59.3838, 72.3695, 98.0276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 234, 246) }
```

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

```
.background{ background-color: rgb(154,  
234, 246) }
```

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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