

Converting Colors

XYZ(59.1583, 75.4289, 97.4022)

Have a look what the booklet for
XYZ(59.1583, 75.4289, 97.4022)
contains.

XYZ(58.9398, 75.1930, 96.9952)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(58.9398, 75.1930,
96.9952)**

Conversions

Conversions Part 1

Format	Color
Hex	8EF1F4
RGB	142, 241, 244
RGB Percent	56%, 95%, 96%
CMY	0.4431, 0.0549, 0.0431
CMYK	0.42, 0.01, 0.00, 0.04
HSL	182°, 82%, 76%
HSV	182°, 42%, 96%
XYZ	58.9398, 75.1930, 96.9952
YIQ	211.7410, -59.9670, -20.0550

Conversions

Conversions Part 2

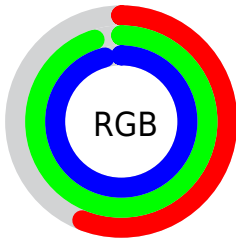
Format	Color
R _Y B	142, 192, 244
Decimal	9368052
CIE Lab	89.48, -28.29, -10.57
CIE LCh	89, 30.203, 200.488
Yxy	75.1930, 0.2550, 0.3253
Android (android.graphics.Color)	4287558132 (0xFF8EF1F4)
YUV	211.7410, 15.9037, -61.1629
Hunter-Lab	86.7139, -30.4221, -5.6200

Details

The XYZ color **58.9398, 75.1930, 96.9952** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.3174, 41.4381, 30.8341**, and the grayscale version is **62.3356, 65.5819, 71.4187**.

A 20% lighter version of the original color is **77.6294, 91.0194, 108.0847**, and **29.9933, 40.1678, 53.7493** is the 20% darker color. If you saturate the color by 10%, you get **54.9916, 72.8449, 96.7514**, and if you desaturate by 10%, it is **63.8095, 78.0210, 97.2857**.

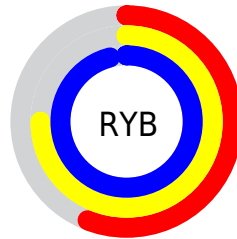
Distribution



Red (56%)

Green (95%)

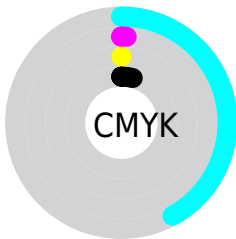
Blue (96%)



Red (56%)

Yellow (75%)

Blue (96%)

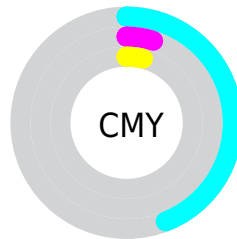


Cyan (42%)

Magenta (1%)

Yellow (0%)

Black (4%)



Cyan (44%)

Magenta (5%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.9398, 75.1930, 96.9952 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 58.9398, 75.1930, 96.9952 by changing the saturation by 10% instead.

58.9398, 75.1930,
96.9952

58.9398, 75.1930,
96.9952

410.5764,
478.5807, 571.6796

42.8108, 55.7710,
73.1907

102.4053,
126.5855, 159.0374

29.9306, 40.0194,
53.6391

130.4725,
159.3249, 198.1121

19.9337, 27.5536,
37.9220

163.2499,
197.2721, 243.1140

12.4549, 17.9895,
25.6208

201.1028,
240.8116, 294.4616

7.1287, 10.9424,
16.3170

244.3965,
290.3279, 352.5734

3.5897, 6.0281,
9.5919

293.4965,

1.4728, 2.8622,

346.2052, 417.8680

5.0272

348.7680,
408.8280, 490.7638

■ 0.3072, 1.0602,
2.2042

■ 0.0000, 0.0000,
0.6768

■ 58.9398, 75.1930,
96.9952

■ 58.9398, 75.1930,
96.9952

■ 54.9916, 72.8449,
96.7514

■ 63.8095, 78.0210,
97.2857

■ 51.8979, 70.9368,
96.5461

■ 69.6490, 81.3483,
97.6202

■ 49.5932, 69.4366,
96.3780

■ 76.5112, 85.2041,
98.0027

■ 47.9996, 68.3043,
96.2435

■ 84.4431, 89.6127,
98.4356

■ 47.0234, 67.4915,
96.1380

■ 90.0978, 92.8485,
98.7621

■ 46.5645, 67.0020,
96.0677

■ 90.3146, 93.2823,
98.8344

■ 90.5324, 93.7178,
98.9070

■ 90.7510, 94.1549,
98.9799

■ 90.9704, 94.5938,
99.0530

Harmonies

Analogous

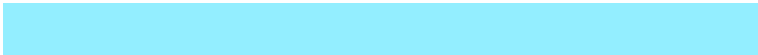
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.3219, 75.1930, 75.3147



58.9398, 75.1930, 96.9952



62.7844, 75.1930, 117.5457

Triad

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



58.9398, 75.1930, 96.9952



83.0296, 75.1930, 110.6638



73.8484, 75.1930, 47.8724

Complementary

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



58.9398, 75.1930, 96.9952



52.3174, 41.4381, 30.8341

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.



80.9190, 75.1930, 54.2629



58.9398, 75.1930, 96.9952



86.4560, 75.1930, 88.8001

Square

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



58.9398, 75.1930, 96.9952



76.5706, 75.1930, 126.3351



85.6580, 75.1930, 68.4093



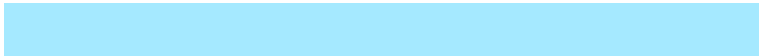
66.5986, 75.1930, 49.2982

Rectangle

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



58.9398, 75.1930, 96.9952



66.8162, 75.1930, 126.6525



85.6580, 75.1930, 68.4093



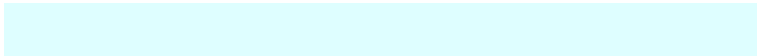
76.3322, 75.1930, 49.1291

Sweetspot

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



58.9420, 75.1959, 96.9970



83.5783, 93.6259, 108.2743



48.5189, 72.4582, 37.6961



17.5154, 19.8304, 23.1544



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

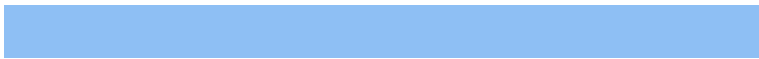
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.9420, 75.1959, 96.9970



61.4533, 80.9230, 106.9885



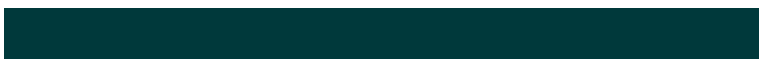
46.1826, 49.6770, 92.7438



16.9525, 18.6693, 21.2526



25.3376, 36.4690, 52.2418



2.2399, 3.2311, 4.5959

Inverse Universe

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



62.8603, 44.9320, 88.5819



66.3466, 43.5492, 96.3849



61.6403, 60.0839, 33.9417



17.1914, 16.7594, 20.7542



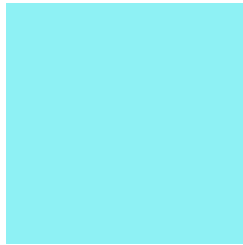
28.5938, 13.7809, 44.6966



2.5196, 1.2138, 3.9628

Previews

White Background



This preview shows how the XYZ color 58.9398, 75.1930, 96.9952 looks on a white background.

Color Contrast Check

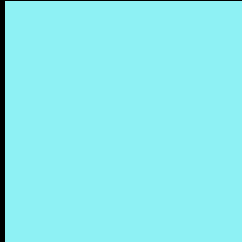
Large Text (above 18pt) WCAG AA × Fail

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 58.9398, 75.1930, 96.9952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

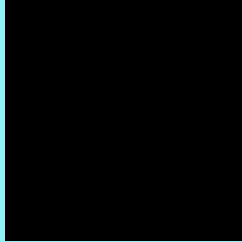
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.9398, 75.1930, 96.9952

Background



This preview shows how black text looks on a background with the XYZ color 58.9398, 75.1930, 96.9952.

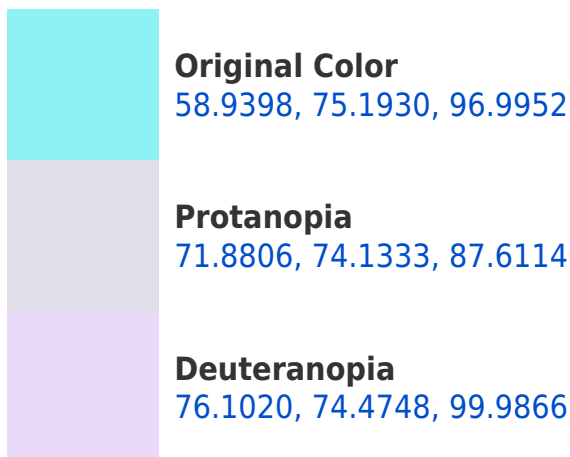


This preview shows how white text looks on a background with the XYZ color 58.9398, 75.1930,

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





Tritanopia

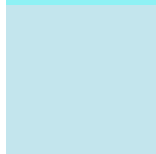
62.0445, 74.8563, 105.7864

Trichromacy



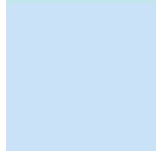
Original Color

58.9398, 75.1930, 96.9952



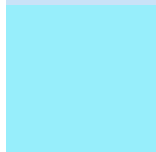
Protanomaly

65.8111, 73.7551, 90.8883



Deuteranomaly

68.0723, 73.5256, 98.5998



Tritanomaly

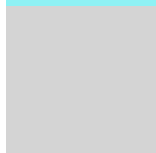
60.7496, 74.6934, 102.4822

Monochromacy



Original Color

58.9398, 75.1930, 96.9952



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

60.3357, 68.7220, 80.6056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.9398, 75.1930, 96.9952 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(142, 241, 244)` looks like.

```
.text, #text, p{  
    color:rgb(142, 241, 244)  
}
```

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(142, 241, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 241, 244) }
```

Border

The CSS property to change the border of an element to XYZ 58.9398, 75.1930, 96.9952 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(142, 241, 244) }
```


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

```
.border{ border-color:rgb(142, 241, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 241, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 241, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 241, 244);  
box-shadow:4px 4px 4px 4px rgb(142, 241,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 58.9398, 75.1930, 96.9952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 241, 244) }
```

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

```
.background{ background-color: rgb(142,  
241, 244) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor