

# Converting Colors

XYZ(59.1144, 74.1641, 98.2882)

Have a look what the booklet for  
XYZ(59.1144, 74.1641, 98.2882)  
contains.

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# Color

**XYZ(59.3551, 74.4978,  
98.4400)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92EFF6
RGB	146, 239, 246
RGB Percent	57%, 94%, 96%
CMY	0.4274, 0.0627, 0.0353
CMYK	0.41, 0.03, 0.00, 0.04
HSL	184°, 85%, 77%
HSV	184°, 41%, 96%
XYZ	59.3551, 74.4978, 98.4400
YIQ	211.9910, -57.6750, -17.5390

# Conversions

## Conversions Part 2

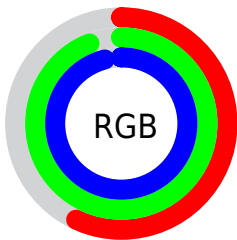
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	146, 194, 246
Decimal	9629686
CIE <sub>Lab</sub>	89.16, -25.89, -12.08
CIE <sub>LCh</sub>	89, 28.570, 205.023
Yxy	74.4978, 0.2555, 0.3207
Android (android.graphics.Color)	4287819766 (0xFF92EFF6)
YUV	211.9910, 16.7664, -57.8741
Hunter-Lab	86.3121, -28.2953, -7.2025

# Details

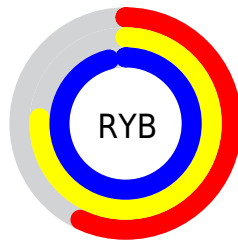
The XYZ color **59.3551, 74.4978, 98.4400** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.5868, 44.4517, 32.8989**, and the grayscale version is **62.4948, 65.7494, 71.6010**.

A 20% lighter version of the original color is **78.7118, 91.5774, 108.1354**, and **30.2523, 39.6594, 54.7758** is the 20% darker color. If you saturate the color by 10%, you get **54.9428, 71.4803, 98.0914**, and if you desaturate by 10%, it is **64.7175, 78.0157, 98.8377**.

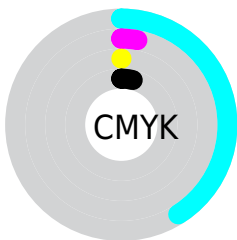
# Distribution



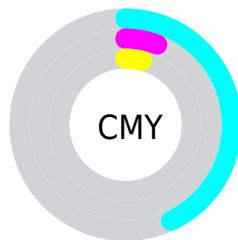
- Red (57%)
- Green (94%)
- Blue (96%)



- Red (57%)
- Yellow (76%)
- Blue (96%)



- Cyan (41%)
- Magenta (3%)
- Yellow (0%)
- Black (4%)




- Cyan (43%)
- Magenta (6%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.3551, 74.4978, 98.4400 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 59.3551, 74.4978, 98.4400 by changing the saturation by 10% instead.





 59.3551, 74.4978,  
98.4400


 59.3551, 74.4978,  
98.4400


412.0895,  
476.1897, 576.3834

 43.1465, 55.2016,  
74.3887


 103.0053,  
125.6012, 161.0449

 30.1951, 39.5631,  
54.6136


 131.1776,  
158.1772, 200.4356

 20.1355, 27.1981,  
38.6959


164.0685,  
195.9485, 245.7765

 12.6024, 17.7220,  
26.2172

202.0433,  
239.2997, 297.4862

 7.2305, 10.7506,  
16.7590

245.4675,  
288.6149, 355.9832

 3.6543, 5.8994,  
9.9027

294.7064,

 1.5085, 2.7840,

344.2788, 421.6860

5.2297

350.1252,  
406.6755, 495.0132

■ 0.3316, 1.0200,  
2.3216

■ 0.0000, 0.0000,  
0.7433

■ 59.3551, 74.4978,  
98.4400

■ 59.3551, 74.4978,  
98.4400

■ 54.9428, 71.4803,  
98.0914

■ 64.7175, 78.0157,  
98.8377

■ 51.4130, 68.9231,  
97.7839

■ 71.0787, 82.0540,  
99.2819

■ 48.6997, 66.7939,  
97.5159

■ 78.4924, 86.6419,  
99.7767

■ 46.7250, 65.0525,  
97.2839

■ 87.0060, 91.8041,  
100.3244

45.3956, 63.6509,  
97.0834

91.3229, 94.8100,  
100.6771

44.5952, 62.5748,  
96.9179

91.8535, 95.8712,  
100.8539

92.3890, 96.9422,  
101.0324

92.9293, 98.0230,  
101.2126

93.4746, 99.1136,  
101.3943

# Harmonies

## Analogous

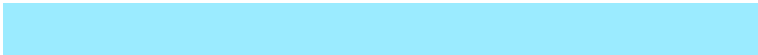
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.2892, 74.4978, 77.8338



59.3551, 74.4978, 98.4400



63.4065, 74.4978, 116.7667

# Triad

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



59.3551, 74.4978, 98.4400



82.3552, 74.4978, 105.1428



71.9760, 74.4978, 48.5973

# Complementary

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



59.3551, 74.4978, 98.4400



54.5868, 44.4517, 32.8989

# 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.



78.7640, 74.4978, 53.5778



59.3551, 74.4978, 98.4400



85.0019, 74.4978, 84.4881

# Square

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



59.3551, 74.4978, 98.4400



76.6236, 74.4978, 121.0598



83.6467, 74.4978, 65.9530



65.2942, 74.4978, 51.0939

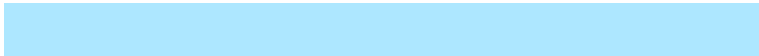


# Rectangle

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



59.3551, 74.4978, 98.4400



67.4037, 74.4978, 124.0837



83.6467, 74.4978, 65.9530



74.3249, 74.4978, 49.4249

# Sweetspot

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



59.3573, 74.5007, 98.4417



83.9953, 93.2926, 108.1880



50.5337, 74.3130, 41.6751



17.7434, 19.8239, 23.1412



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

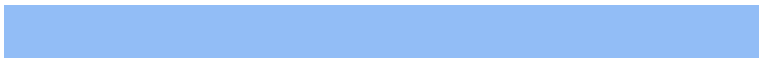
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.3573, 74.5007, 98.4417



60.2974, 78.0373, 106.4924



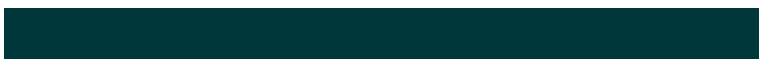
46.7597, 49.3054, 94.2425



16.8916, 18.5476, 21.2323



23.8462, 33.4861, 51.7447



2.1251, 3.0016, 4.5576



# Inverse Universe

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



63.8668, 46.3845, 87.2515



65.9032, 43.9081, 92.3968



64.4732, 64.2245, 36.1943



17.1606, 16.7471, 20.5924



27.8410, 13.4798, 40.7324

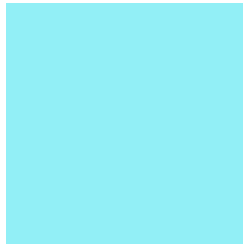


2.4617, 1.1906, 3.6577



# Previews

## White Background



This preview shows how the XYZ color 59.3551, 74.4978, 98.4400 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

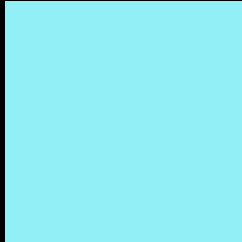
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.3551, 74.4978, 98.4400 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

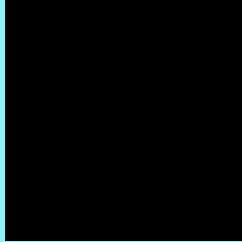
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 59.3551, 74.4978, 98.4400

## Background



This preview shows how black text looks on a background with the XYZ color 59.3551, 74.4978, 98.4400.



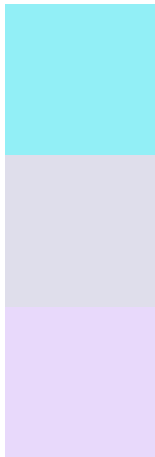
This preview shows how white text looks on a background with the XYZ color 59.3551, 74.4978,



# 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

59.3551, 74.4978, 98.4400

### Protanopia

71.5481, 73.9287, 89.0959

### Deuteranopia

75.5042, 73.7465, 101.5218



## Tritanopia

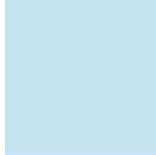
61.4711, 74.5607, 105.7595

# Trichromacy



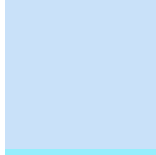
## Original Color

59.3551, 74.4978, 98.4400



## Protanomaly

65.8291, 73.3209, 92.3441



## Deuteranomaly

68.1115, 73.1075, 100.1438



## Tritanomaly

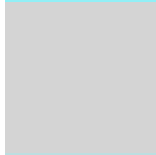
60.7229, 74.6614, 103.3061

# Monochromacy



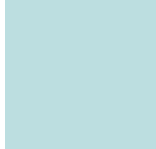
## Original Color

59.3551, 74.4978, 98.4400



## Achromatopsia

62.5785, 65.8375, 71.6970



## Achromatomaly

60.3149, 68.3157, 80.5283

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.3551, 74.4978, 98.4400 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(146, 239, 246)` looks like.

```
.text, #text, p{  
    color:rgb(146, 239, 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(146, 239, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 239, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 59.3551, 74.4978, 98.4400 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(146, 239, 246) }
```



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

```
.border{ border-color:rgb(146, 239, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 239, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 239, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 239, 246); box-shadow:4px 4px 4px 4px rgb(146, 239, 246) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.3551, 74.4978, 98.4400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 239, 246) }
```

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

```
.background{ background-color: rgb(146,  
239, 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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