

# Converting Colors

XYZ(58.3395, 76.8445, 88.8435)

Have a look what the booklet for  
XYZ(58.3395, 76.8445, 88.8435)  
contains.

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# Color

**XYZ(58.3449, 76.8507,  
88.8494)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DF5E9
RGB	141, 245, 233
RGB Percent	55%, 96%, 91%
CMY	0.4470, 0.0392, 0.0863
CMYK	0.42, 0.00, 0.05, 0.04
HSL	173°, 84%, 76%
HSV	173°, 42%, 96%
XYZ	58.3449, 76.8507, 88.8494
YIQ	212.5360, -58.1320, -25.7800

# Conversions

## Conversions Part 2

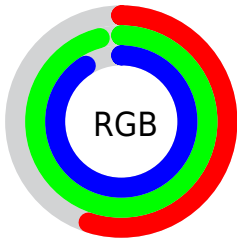
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 196, 245
Decimal	9303529
CIELab	90.25, -33.05, -3.70
CIELCh	90, 33.256, 186.387
Yxy	76.8507, 0.2604, 0.3430
Android (android.graphics.Color)	4287493609 (0xFF8DF5E9)
YUV	212.5360, 10.0888, -62.7371
Hunter-Lab	87.6645, -34.6127, 1.2738

# Details

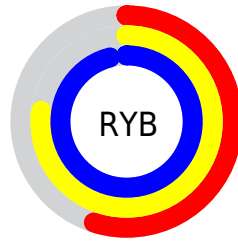
The XYZ color **58.3449, 76.8507, 88.8494** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.9335, 40.7643, 35.2182**, and the grayscale version is **62.9006, 66.1763, 72.0660**.

A 20% lighter version of the original color is **77.3632, 90.8821, 108.0723**, and **29.4863, 40.9798, 47.9508** is the 20% darker color. If you saturate the color by 10%, you get **54.2307, 74.7779, 86.5666**, and if you desaturate by 10%, it is **63.3914, 79.4071, 91.2130**.

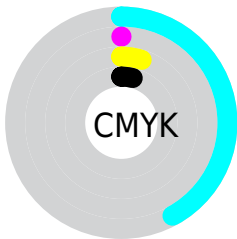
# Distribution



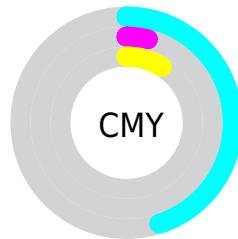
- Red (55%)
- Green (96%)
- Blue (91%)



- Red (55%)
- Yellow (77%)
- Blue (96%)



- Cyan (42%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)



- Cyan (45%)
- Magenta (4%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3449, 76.8507, 88.8494 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 58.3449, 76.8507, 88.8494 by changing the saturation by 10% instead.



58.3449, 76.8507,  
88.8494

58.3449, 76.8507,  
88.8494

408.4031,  
484.2548, 544.7541

42.3303, 57.1303,  
66.4584

101.5450,  
128.9287, 147.6606

29.5523, 41.1099,  
48.1858

129.4613,  
162.0552, 184.9180

19.6454, 28.4050,  
33.6130

162.0755,  
200.4191, 227.9678

12.2443, 18.6312,  
22.3215

199.7530,  
244.4049, 277.2288

6.9837, 11.4041,  
13.8928

242.8591,  
294.3970, 333.1193

3.4981, 6.3393,  
7.9082

291.7593,

1.4223, 3.0525,

350.7797, 396.0580

3.9493

346.8188,  
413.9376, 466.4634

■ 0.2720, 1.1592,  
1.5976

■ 0.0000, 0.0280,  
0.2891

■ 58.3449, 76.8507,  
88.8494

■ 58.3449, 76.8507,  
88.8494

■ 54.2307, 74.7779,  
86.5666

■ 63.3914, 79.4071,  
91.2130

■ 50.9807, 73.1481,  
84.3562


■ 69.4195, 82.4669,  
93.6547

■ 48.5281, 71.9285,  
82.2167


■ 76.4826, 86.0595,  
96.1790

■ 46.7936, 71.0784,  
80.1440


■ 84.6288, 90.2097,  
98.7883

 45.6809, 70.5482,  
78.1336

 90.7037, 93.2914,  
101.3350

 45.1428, 70.3030,  
76.6514

 91.1438, 93.4674,  
103.6526

 91.5906, 93.6461,  
106.0052

 91.9437, 93.7874,  
107.8646

# Harmonies

## Analogous

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



59.4133, 76.8507, 66.7187



58.3449, 76.8507, 88.8494



60.9690, 76.8507, 113.7267

# Triad

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



58.3449, 76.8507, 88.8494



82.8961, 76.8507, 125.9852



79.6052, 76.8507, 48.4829

# Complementary

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



58.3449, 76.8507, 88.8494



52.9335, 40.7643, 35.2182

# 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.



86.6172, 76.8507, 59.4505



58.3449, 76.8507, 88.8494



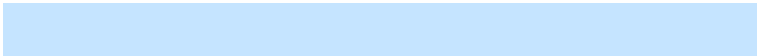
88.6153, 76.8507, 103.2906

# Square

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



58.3449, 76.8507, 88.8494



74.8286, 76.8507, 137.6261



90.0259, 76.8507, 78.7100



71.2886, 76.8507, 46.0687

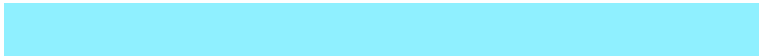


# Rectangle

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



58.3449, 76.8507, 88.8494



64.5851, 76.8507, 127.6541



90.0259, 76.8507, 78.7100



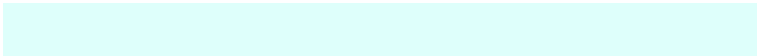
82.2117, 76.8507, 51.1751

# Sweetspot

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



58.3471, 76.8537, 88.8512



83.2783, 94.0019, 105.1658



50.6245, 74.0163, 36.8193



17.4405, 19.9246, 22.3775



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.



58.3471, 76.8537, 88.8512



59.9370, 82.1670, 95.1320



49.3315, 55.9844, 94.5956



16.9095, 18.7229, 20.8078



24.3518, 37.8855, 41.4677



2.1632, 3.3389, 3.7653



# Inverse Universe

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



52.9335, 40.7643, 35.2182



53.2979, 37.8068, 29.2833



58.9633, 54.3317, 32.5803



16.5769, 16.5136, 17.5185



20.4260, 10.5139, 1.6860

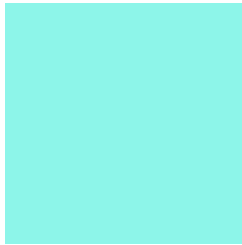


1.8200, 0.9340, 0.2787



# Previews

## White Background



This preview shows how the XYZ color 58.3449, 76.8507, 88.8494 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

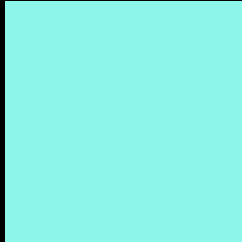
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.3449, 76.8507, 88.8494 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 58.3449, 76.8507, 88.8494**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.3449, 76.8507, 88.8494.



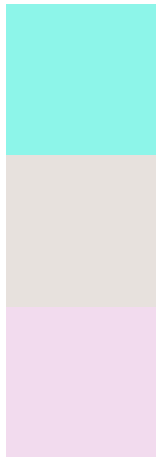
This preview shows how white text looks on a background with the XYZ color 58.3449, 76.8507,



# 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

58.3449, 76.8507, 88.8494

### Protanopia

72.9314, 76.0598, 79.2437

### Deuteranopia

77.3821, 75.7133, 91.4246



## Tritanopia

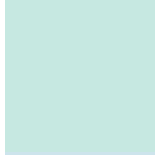
64.1416, 76.3684, 105.9677

# Trichromacy



## Original Color

58.3449, 76.8507, 88.8494



## Protanomaly

65.7359, 75.1552, 82.2759



## Deuteranomaly

68.0606, 74.5221, 90.1539



## Tritanomaly

61.9541, 76.6939, 99.5338

# Monochromacy



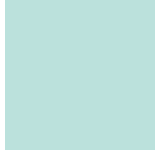
## Original Color

58.3449, 76.8507, 88.8494



## Achromatopsia

63.2451, 66.5387, 72.4607



## Achromatomaly

60.3370, 69.5825, 77.9608

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.3449, 76.8507, 88.8494 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(141, 245, 233)` looks like.

```
.text, #text, p{  
    color:rgb(141, 245, 233)  
}
```

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(141, 245, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 245, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 58.3449, 76.8507, 88.8494 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(141, 245, 233) }
```



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

```
.border{ border-color:rgb(141, 245, 233) }
```

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

Here you see how a box with a 4 pixel rgb(141, 245, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 245, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 245, 233);  
box-shadow:4px 4px 4px 4px rgb(141, 245,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.3449, 76.8507, 88.8494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 245, 233) }
```

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

```
.background{ background-color: rgb(141,  
245, 233) }
```

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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