

# Converting Colors

XYZ(58.9427, 76.7902, 97.6474)

Have a look what the booklet for  
XYZ(58.9427, 76.7902, 97.6474)  
contains.

<b>XYZ(58.9732, 76.9874, 97.3398)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(58.9732, 76.9874,  
97.3398)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87F5F4
RGB	135, 245, 244
RGB Percent	53%, 96%, 96%
CMY	0.4706, 0.0392, 0.0431
CMYK	0.45, 0.00, 0.00, 0.04
HSL	179°, 85%, 75%
HSV	179°, 45%, 96%
XYZ	58.9732, 76.9874, 97.3398
YIQ	211.9960, -65.2390, -23.6310

# Conversions

## Conversions Part 2

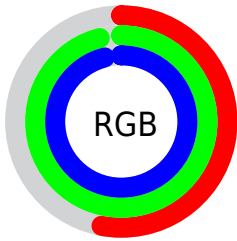
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">135, 190, 245</a>
Decimal	<a href="#">8910324</a>
CIELab	<a href="#">90.32, -31.80, -9.36</a>
CIELCh	<a href="#">90, 33.151, 196.407</a>
Yxy	<a href="#">76.9874, 0.2528, 0.3300</a>
Android (android.graphics.Color)	<a href="#">4287100404 (0xFF87F5F4)</a>
YUV	<a href="#">211.9960, 15.7780, -67.5255</a>
Hunter-Lab	<a href="#">87.7425, -33.5764, -4.3555</a>

# Details

The XYZ color **58.9732, 76.9874, 97.3398** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.7667, 38.5202, 28.0546**, and the grayscale version is **62.5081, 65.7634, 71.6164**.

A 20% lighter version of the original color is **76.0581, 90.2093, 108.0112**, and **29.8844, 41.0531, 53.9259** is the 20% darker color. If you saturate the color by 10%, you get **55.4425, 75.1730, 96.9994**, and if you desaturate by 10%, it is **63.4154, 79.2754, 97.7265**.

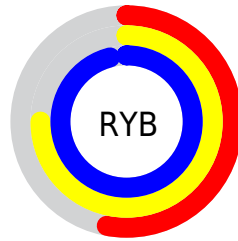
# Distribution



Red (53%)

Green (96%)

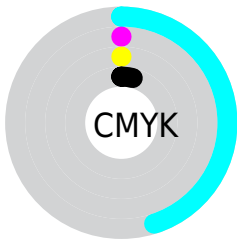
Blue (96%)



Red (53%)

Yellow (75%)

Blue (96%)

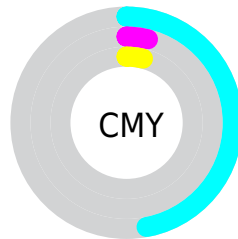


Cyan (45%)

Magenta (0%)

Yellow (0%)

Black (4%)



Cyan (47%)

Magenta (4%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.9732, 76.9874, 97.3398 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 58.9732, 76.9874, 97.3398 by changing the saturation by 10% instead.



58.9732, 76.9874,  
97.3398

58.9732, 76.9874,  
97.3398

410.6982,  
484.7211, 572.8034

42.8378, 57.2425,  
73.4763

102.4536,  
129.1217, 159.5165

29.9519, 41.2000,  
53.8713

130.5293,  
162.2799, 198.6667

19.9499, 28.4754,  
38.1063

163.3158,  
200.6780, 243.7497

12.4667, 18.6843,  
25.7628

201.1785,  
244.7005, 295.1838

7.1368, 11.4424,  
16.4221

244.4827,  
294.7316, 353.3877

3.5949, 6.3652,  
9.6657

293.5939,

1.4756, 3.0684,

351.1558, 418.7799

5.0752

348.8773,  
414.3575, 491.7789

■ 0.3092, 1.1676,  
2.2319

■ 0.0000, 0.0350,  
0.6927

■ 58.9732, 76.9874,  
97.3398

■ 58.9732, 76.9874,  
97.3398

■ 55.4425, 75.1730,  
96.9994

■ 63.4154, 79.2754,  
97.7265

■ 52.7534, 73.7906,  
96.6968


■ 68.8194, 82.0573,  
98.1567


■ 50.8371, 72.8066,  
96.4307


■ 75.2399, 85.3632,  
98.6347


■ 49.6108, 72.1784,  
96.1970


■ 82.7254, 89.2182,  
99.1628


 48.9728, 71.8533,  
95.9911


 90.3932, 93.1672,  
99.6996

 48.7968, 71.7646,  
95.8931

 90.4273, 93.1808,  
99.8794

 90.4615, 93.1945,  
100.0594

 90.4957, 93.2082,  
100.2396

 90.5300, 93.2219,  
100.4201

# Harmonies

## Analogous

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



58.7986, 76.9874, 73.5851



58.9732, 76.9874, 97.3398



62.7613, 76.9874, 121.2683

# Triad

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



58.9732, 76.9874, 97.3398



85.2888, 76.9874, 119.2594



76.9703, 76.9874, 46.9354

# Complementary

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



58.9732, 76.9874, 97.3398



50.7667, 38.5202, 28.0546

# 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.



84.6795, 76.9874, 55.0130



58.9732, 76.9874, 97.3398



89.7205, 76.9874, 94.9759

# Square

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



58.9732, 76.9874, 97.3398



77.7520, 76.9874, 135.4610



89.4895, 76.9874, 71.6250



68.7797, 76.9874, 47.3292

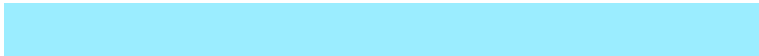


# Rectangle

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



58.9732, 76.9874, 97.3398



67.0005, 76.9874, 132.7938



89.4895, 76.9874, 71.6250



79.7159, 76.9874, 48.6736

# Sweetspot

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



58.9755, 76.9904, 97.3416



83.8397, 94.2265, 108.1217



47.3172, 72.3614, 34.3966



17.5808, 19.9807, 23.1162



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.



58.9755, 76.9904, 97.3416



60.9851, 82.4622, 106.2545



45.2885, 49.3722, 93.5324



16.9898, 18.7551, 21.2308



26.2899, 38.6608, 51.6737



2.3127, 3.3987, 4.5525



# Inverse Universe

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



50.7667, 38.5202, 28.0546



50.9394, 35.3738, 21.4560



60.0509, 57.2022, 30.7995



16.5053, 16.4850, 17.1415



20.2955, 10.4616, 0.9983

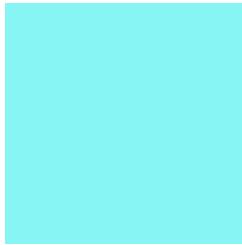


1.7859, 0.9203, 0.0989



# Previews

## White Background



This preview shows how the XYZ color 58.9732, 76.9874, 97.3398 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

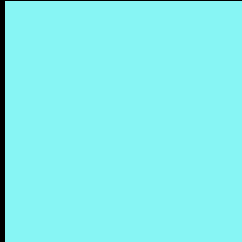
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.9732, 76.9874, 97.3398 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

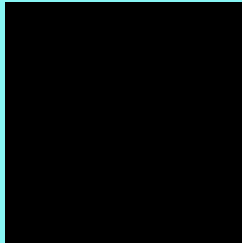
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.9732, 76.9874, 97.3398**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.9732, 76.9874, 97.3398.



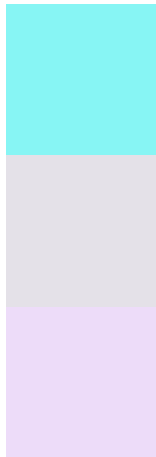
This preview shows how white text looks on a background with the XYZ color 58.9732, 76.9874,



# 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

58.9732, 76.9874, 97.3398

### Protanopia

73.4856, 76.1706, 87.1732

### Deuteranopia

77.6171, 76.0305, 100.2070



## Tritanopia

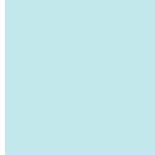
63.8168, 76.6344, 106.0362

# Trichromacy



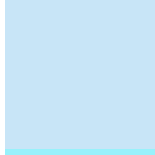
## Original Color

58.9732, 76.9874, 97.3398



## Protanomaly

66.2451, 75.2387, 90.3879



## Deuteranomaly

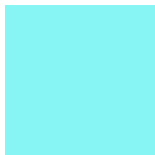
68.6272, 75.0334, 98.8615



## Tritanomaly

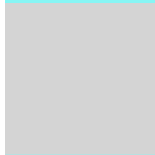
61.8168, 76.5510, 102.7845

# Monochromacy



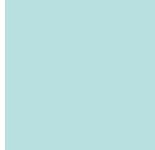
## Original Color

58.9732, 76.9874, 97.3398



## Achromatopsia

62.5785, 65.8375, 71.6970



## Achromatomaly

59.8774, 68.8835, 80.6610

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.9732, 76.9874, 97.3398 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(135, 245, 244)` looks like.

```
.text, #text, p{  
    color:rgb(135, 245, 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(135, 245, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 245, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 58.9732, 76.9874, 97.3398 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(135, 245, 244) }
```



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

```
.border{ border-color:rgb(135, 245, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 245, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 245, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 245, 244);  
box-shadow:4px 4px 4px 4px rgb(135, 245,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.9732, 76.9874, 97.3398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 245, 244) }
```

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

```
.background{ background-color: rgb(135,  
245, 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](#).

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