

# Converting Colors

XYZ(40.1206, 49.4016, 57.2618)

Have a look what the booklet for  
XYZ(40.1206, 49.4016, 57.2618)  
contains.

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# Color

**XYZ(40.1897, 49.5972,  
57.3242)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8AC6C0
RGB	138, 198, 192
RGB Percent	54%, 78%, 75%
CMY	0.4588, 0.2235, 0.2471
CMYK	0.30, 0.00, 0.03, 0.22
HSL	174°, 34%, 66%
HSV	174°, 30%, 78%
XYZ	40.1897, 49.5972, 57.3242
YIQ	179.3760, -33.8340, -14.5860

# Conversions

## Conversions Part 2

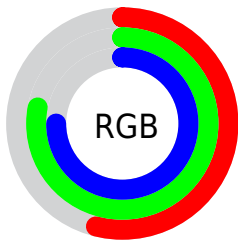
Format	Color
R <sub>Y</sub> B	138, 170, 198
Decimal	9094848
CIE Lab	75.82, -20.50, -3.18
CIE LCh	76, 20.741, 188.822
Yxy	49.5972, 0.2732, 0.3371
Android (android.graphics.Color)	4287284928 (0xFF8AC6C0)
YUV	179.3760, 6.2236, -36.2868
Hunter-Lab	70.4253, -21.3794, 1.0373

# Details

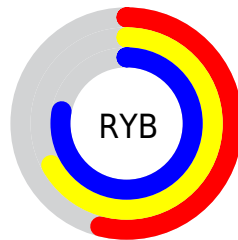
The XYZ color **40.1897, 49.5972, 57.3242** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.4129, 32.1976, 30.6302**, and the grayscale version is **43.0302, 45.2711, 49.3002**.

A 20% lighter version of the original color is **74.6956, 89.6348, 102.1713**, and **18.3798, 23.7419, 28.0400** is the 20% darker color. If you saturate the color by 10%, you get **36.9901, 47.9742, 56.0374**, and if you desaturate by 10%, it is **43.9923, 51.5332, 58.6567**.

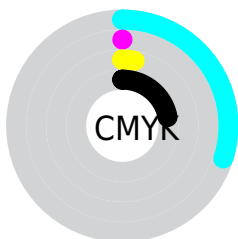
# Distribution



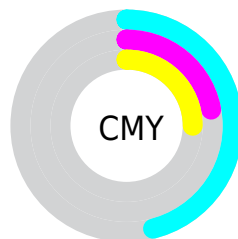
- Red (54%)
- Green (78%)
- Blue (75%)



- Red (54%)
- Yellow (67%)
- Blue (78%)



- Cyan (30%)
- Magenta (0%)
- Yellow (3%)
- Black (22%)




- Cyan (46%)
- Magenta (22%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1897, 49.5972, 57.3242 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 40.1897, 49.5972, 57.3242 by changing the saturation by 10% instead.





 40.1897, 49.5972,  
57.3242


 40.1897, 49.5972,  
57.3242


338.0432,  
385.0887, 432.1907


 27.8714, 35.0935,  
40.8545

 74.7348, 89.5778,  
102.4431

 18.3687, 23.7349,  
27.8866


 97.6923, 115.8234,  
131.9294

 11.3163, 15.1371,  
18.0019

 124.9268,  
146.7518, 166.5916

 6.3488, 8.9156,  
10.7819

156.8038,  
182.7473, 206.8483

 3.1010, 4.6862,  
5.8080

193.6886,  
224.1943, 253.1180

 1.2074, 2.0643,  
2.6618

235.9465,

 0.1122, 0.6445,

271.4773, 305.8193

0.9241

283.9429,  
324.9806, 365.3707

■ 0.0000, 0.0000,  
0.0000

■ 40.1897, 49.5972,  
57.3242

■ 40.1897, 49.5972,  
57.3242

■ 36.9901, 47.9742,  
56.0374

■ 43.9923, 51.5332,  
58.6567

■ 34.3568, 46.6415,  
54.7915

■ 48.4237, 53.7918,  
60.0331

■ 32.2555, 45.5828,  
53.5857

■ 53.5132, 56.3894,  
61.4558

■ 30.6467, 44.7776,  
52.4182

■ 59.2873, 59.3395,  
62.9262

■ 29.4853, 44.2027,  
51.2869

■ 65.7708, 62.6549,  
64.4454

■ 28.7176, 43.8304,  
50.1891

■ 72.3204, 66.0041,  
65.9834

■ 28.2506, 43.6121,  
49.1519

■ 72.5593, 66.0997,  
67.2419

■ 72.8014, 66.1965,  
68.5163

■ 73.0464, 66.2945,  
69.8068

# Harmonies

## Analogous

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



40.5620, 49.5972, 46.6922



40.1897, 49.5972, 57.3242



41.5991, 49.5972, 68.4323

# Triad

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



40.1897, 49.5972, 57.3242



51.9412, 49.5972, 72.2850



49.8691, 49.5972, 36.5303

# Complementary

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



40.1897, 49.5972, 57.3242



37.4129, 32.1976, 30.6302

# 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.



53.1537, 49.5972, 41.7594



40.1897, 49.5972, 57.3242



54.3947, 49.5972, 62.0395

# Square

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



40.1897, 49.5972, 57.3242



48.2865, 49.5972, 77.8100



54.8501, 49.5972, 50.8125



46.0131, 49.5972, 35.6268



# Rectangle

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



40.1897, 49.5972, 57.3242



43.4070, 49.5972, 74.2745



54.8501, 49.5972, 50.8125



51.0825, 49.5972, 37.8025

# Sweetspot

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



40.1911, 49.5992, 57.3253



86.7375, 95.7572, 106.5930



36.4600, 48.2449, 31.4361



18.2976, 20.3594, 22.7369



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

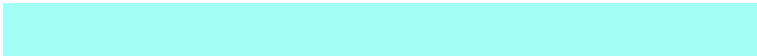


# Same Dimension

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



40.1911, 49.5992, 57.3253



67.5117, 85.9702, 100.0770



36.0057, 40.1420, 59.2789



10.8992, 12.0486, 13.4194



18.3893, 28.3681, 32.0584



0.8843, 1.3487, 1.5894



# Inverse Universe

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



37.4129, 32.1976, 30.6302



61.8560, 50.5188, 45.7140



40.6227, 39.3320, 29.4964



10.6763, 10.6539, 11.2785



15.2412, 7.8461, 1.2142

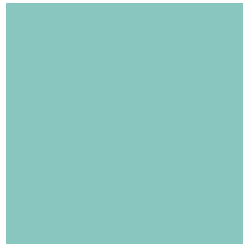


0.7367, 0.3775, 0.1366



# Previews

## White Background



This preview shows how the XYZ color 40.1897, 49.5972, 57.3242 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

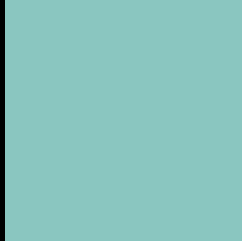
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.1897, 49.5972, 57.3242 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

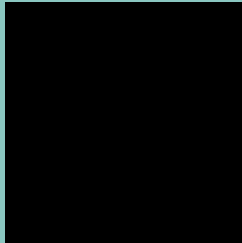
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 40.1897, 49.5972, 57.3242**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.1897, 49.5972, 57.3242.



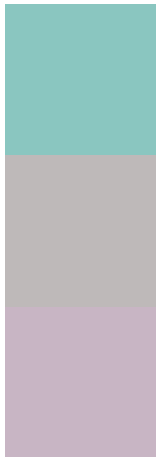
This preview shows how white text looks on a background with the XYZ color 40.1897, 49.5972,



# 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

40.1897, 49.5972, 57.3242

### Protanopia

47.3411, 49.1479, 52.8903

### Deuteranopia

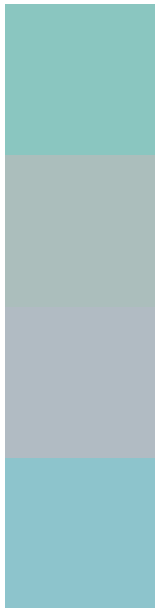
50.3071, 49.3126, 59.0914



## Tritanopia

42.4283, 49.4841, 68.9432

# Trichromacy



## Original Color

40.1897, 49.5972, 57.3242

## Protanomaly

44.2851, 49.1157, 54.7232

## Deuteranomaly

45.7521, 48.8279, 58.6431

## Tritanomaly

41.6235, 49.5022, 64.4878

# Monochromacy



## Original Color

40.1897, 49.5972, 57.3242

## Achromatopsia

42.8472, 45.0786, 49.0906

## Achromatomaly

41.5205, 46.4710, 52.1288

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.1897, 49.5972, 57.3242 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(138, 198, 192)` looks like.

```
.text, #text, p{  
    color:rgb(138, 198, 192)  
}
```

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(138, 198, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 198, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 40.1897, 49.5972, 57.3242 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(138, 198, 192) }
```



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

```
.border{ border-color:rgb(138, 198, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 198, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 198, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 198, 192);  
box-shadow:4px 4px 4px 4px rgb(138, 198,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.1897, 49.5972, 57.3242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 198, 192) }
```

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

```
.background{ background-color: rgb(138,  
198, 192) }
```

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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