

Converting Colors

XYZ(38.7480, 49.3566, 48.4912)

Have a look what the booklet for
XYZ(38.7480, 49.3566, 48.4912)
contains.

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Color

**XYZ(38.7411, 49.3847,
48.5646)**

Conversions

Conversions Part 1

Format	Color
Hex	8AC7B0
RGB	138, 199, 176
RGB Percent	54%, 78%, 69%
CMY	0.4588, 0.2196, 0.3098
CMYK	0.31, 0.00, 0.12, 0.22
HSL	157°, 35%, 66%
HSV	157°, 31%, 78%
XYZ	38.7411, 49.3847, 48.5646
YIQ	178.1390, -28.9730, -20.0850

Conversions

Conversions Part 2

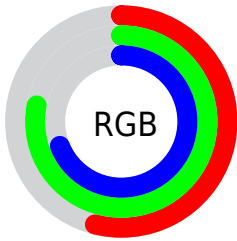
Format	Color
RYB	138, 176, 199
Decimal	9095088
CIELab	75.69, -24.49, 5.28
CIElCh	76, 25.056, 167.842
Yxy	49.3847, 0.2834, 0.3613
Android (android.graphics.Color)	4287285168 (0xFF8AC7B0)
YUV	178.1390, -1.0545, -35.2019
Hunter-Lab	70.2742, -24.5757, 8.2183

Details

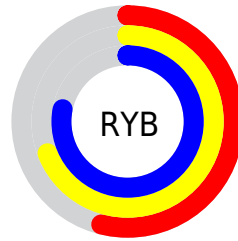
The XYZ color **38.7411, 49.3847, 48.5646** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.0764, 32.8935, 38.0097**, and the grayscale version is **42.4079, 44.6165, 48.5873**.

A 20% lighter version of the original color is **72.3178, 88.6837, 89.6500**, and **17.6012, 23.6845, 22.7127** is the 20% darker color. If you saturate the color by 10%, you get **35.0237, 47.5530, 44.6220**, and if you desaturate by 10%, it is **43.1056, 51.5478, 52.7539**.

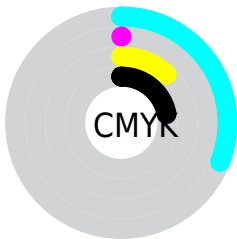
Distribution



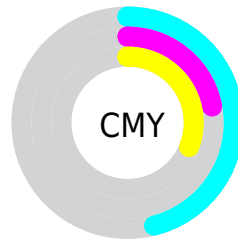
- Red (54%)
- Green (78%)
- Blue (69%)



- Red (54%)
- Yellow (69%)
- Blue (78%)



- Cyan (31%)
- Magenta (0%)
- Yellow (12%)
- Black (22%)





- Cyan (46%)
- Magenta (22%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7411, 49.3847, 48.5646 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 38.7411, 49.3847, 48.5646 by changing the saturation by 10% instead.


 38.7411, 49.3847,
48.5646


 38.7411, 49.3847,
48.5646


332.0147,
384.2548, 397.5988


 26.7382, 34.9247,
33.9111


 72.5392, 89.2626,
89.4187

 17.5123, 23.6049,
22.5485


 95.0652, 115.4492,
116.4564

 10.6980, 15.0408,
14.0583

 121.8295,
146.3136, 148.4592

 5.9299, 8.8480,
8.0220

153.1976,
182.2401, 185.8456

 2.8428, 4.6422,
4.0211

189.5348,
223.6131, 229.0343

 1.0712, 2.0389,
1.6369

231.2065,

 0.0008, 0.6299,

270.8169, 278.4436

0.3170

278.5780,
324.2360, 334.4923

■ 0.0000, 0.0000,
0.0000

■ 38.7411, 49.3847,
48.5646

■ 38.7411, 49.3847,
48.5646

■ 35.0237, 47.5530,
44.6220

■ 43.1056, 51.5478,
52.7539

■ 31.9155, 46.0295,
40.9177

■ 48.1442, 54.0523,
57.1913

■ 29.3812, 44.7972,
37.4476


■ 53.8872, 56.9150,
61.8826


■ 27.3798, 43.8351,
34.2062


■ 60.3620, 60.1501,
66.8323

■ 25.8646, 43.1192,
31.1877


■ 67.5944, 63.7706,
72.0446


 24.7804, 42.6212,
28.3855

 74.7188, 67.3305,
77.4822

 24.0602, 42.3030,
25.9542

 75.7415, 67.7395,
82.8676

 76.8095, 68.1667,
88.4913

 77.9232, 68.6122,
94.3564

Harmonies

Analogous

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



40.6269, 49.3847, 38.3719



38.7411, 49.3847, 48.5646



38.9431, 49.3847, 61.9920

Triad

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



38.7411, 49.3847, 48.5646



49.7275, 49.3847, 81.9662



53.1892, 49.3847, 36.9579

Complementary

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



38.7411, 49.3847, 48.5646



39.0764, 32.8935, 38.0097

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.



55.9600, 49.3847, 46.3119



38.7411, 49.3847, 48.5646



53.8725, 49.3847, 72.8222

Square

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



38.7411, 49.3847, 48.5646



45.0835, 49.3847, 82.8385



56.2180, 49.3847, 59.3380



48.8441, 49.3847, 32.4499

Rectangle

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



38.7411, 49.3847, 48.5646



40.2357, 49.3847, 71.0317



56.2180, 49.3847, 59.3380



54.3476, 49.3847, 39.5618

Sweetspot

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



38.7425, 49.3867, 48.5657



85.7427, 95.3593, 101.3546



39.7877, 50.3009, 31.6575



18.0514, 20.2609, 21.4405



0.0000, 0.0000, 0.0000



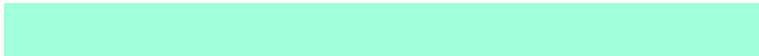
20.3446, 21.4041, 23.3091

Same Dimension

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



38.7425, 49.3867, 48.5657



63.2294, 84.1975, 80.2293



39.6156, 47.1768, 61.0533



10.7706, 11.9971, 12.7421



15.5142, 27.2181, 16.9184



0.7690, 1.3025, 0.9821

Inverse Universe

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



39.0764, 32.8935, 38.0097



63.9135, 50.6234, 58.7629



38.2854, 34.2648, 28.6414



10.7965, 10.7020, 11.9119



16.0021, 8.1504, 5.2211



0.7928, 0.4000, 0.4320

Previews

White Background



This preview shows how the XYZ color 38.7411, 49.3847, 48.5646 looks on a white background.

Color Contrast Check

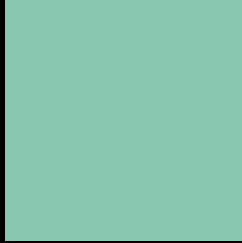
Large Text (above 18pt) WCAG AA × Fail

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 38.7411, 49.3847, 48.5646 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 38.7411, 49.3847, 48.5646

Background



This preview shows how black text looks on a background with the XYZ color 38.7411, 49.3847, 48.5646.



This preview shows how white text looks on a background with the XYZ color 38.7411, 49.3847,

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

38.7411, 49.3847, 48.5646

Protanopia

46.5027, 48.9000, 44.5238

Deuteranopia

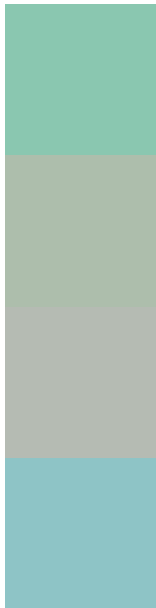
50.0131, 49.0596, 50.0135



Tritanopia

42.6017, 49.2565, 68.2349

Trichromacy



Original Color

38.7411, 49.3847, 48.5646

Protanomaly

43.0934, 48.6897, 46.1565

Deuteranomaly

44.9631, 48.6191, 49.6624

Tritanomaly

41.0883, 49.3079, 60.7779

Monochromacy



Original Color

38.7411, 49.3847, 48.5646

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.5990, 46.0787, 48.3493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7411, 49.3847, 48.5646 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, 199, 176)` looks like.

```
.text, #text, p{  
    color:rgb(138, 199, 176)  
}
```

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, 199, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 199, 176) }
```

Border

The CSS property to change the border of an element to XYZ 38.7411, 49.3847, 48.5646 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, 199, 176) }
```


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

```
.border{ border-color:rgb(138, 199, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 199, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 199, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 199, 176);  
box-shadow:4px 4px 4px 4px rgb(138, 199,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7411, 49.3847, 48.5646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 199, 176) }
```

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

```
.background{ background-color: rgb(138,  
199, 176) }
```

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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