

Converting Colors

XYZ(38.4566, 49.0147, 48.0779)

Have a look what the booklet for
XYZ(38.4566, 49.0147, 48.0779)
contains.

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Color

**XYZ(38.4132, 48.8866,
47.9689)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 8AC6AF |
| RGB | 138, 198, 175 |
| RGB Percent | 54%, 78%, 69% |
| CMY | 0.4588, 0.2235, 0.3137 |
| CMYK | 0.30, 0.00, 0.12, 0.22 |
| HSL | 157°, 34%, 66% |
| HSV | 157°, 30%, 78% |
| XYZ | 38.4132, 48.8866, 47.9689 |
| YIQ | 177.4380, -28.3770, -19.8730 |

Conversions

Conversions Part 2

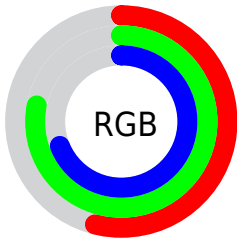
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 138, 175, 198 |
| Decimal | 9094831 |
| CIELab | 75.38, -24.21, 5.37 |
| CIElCh | 75, 24.798, 167.491 |
| Yxy | 48.8866, 0.2840, 0.3614 |
| Android (android.graphics.Color) | 4287284911 (0xFF8AC6AF) |
| YUV | 177.4380, -1.2019, -34.5871 |
| Hunter-Lab | 69.9190, -24.2910, 8.2665 |

Details

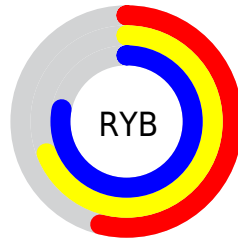
The XYZ color **38.4132, 48.8866, 47.9689** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.8119, 32.7572, 37.9974**, and the grayscale version is **42.0382, 44.2275, 48.1637**.

A 20% lighter version of the original color is **72.1761, 88.6270, 88.9039**, and **17.3862, 23.3550, 22.3305** is the 20% darker color. If you saturate the color by 10%, you get **34.7067, 47.0609, 44.0131**, and if you desaturate by 10%, it is **42.7615, 51.0410, 52.1757**.

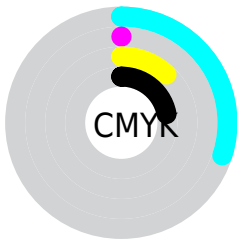
Distribution



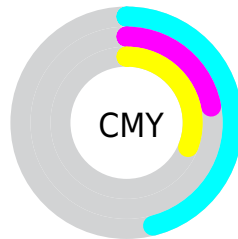
- Red (54%)
- Green (78%)
- Blue (69%)



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



- Cyan (30%)
- Magenta (0%)
- Yellow (12%)
- Black (22%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4132, 48.8866, 47.9689 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 38.4132, 48.8866, 47.9689 by changing the saturation by 10% instead.


 38.4132, 48.8866,
47.9689


 38.4132, 48.8866,
47.9689


330.6395,
382.2957, 395.1740


 26.4822, 34.5295,
33.4424

 72.0408, 88.5230,
88.5232

 17.3193, 23.3007,
22.1917


 94.4682, 114.5711,
115.3881

 10.5591, 14.8157,
13.7982


 121.1251,
145.2851, 147.2028

 5.8363, 8.6901,
7.8433

152.3768,
181.0492, 184.3860

 2.7855, 4.5396,
3.9085

188.5888,
222.2480, 227.3562

 1.0414, 1.9798,
1.5753

230.1263,

 0.0000, 0.5957,

269.2657, 276.5319

0.2731

277.3547,
322.4868, 332.3317

■ 0.0000, 0.0000,
0.0000

■ 38.4132, 48.8866,
47.9689

■ 38.4132, 48.8866,
47.9689

■ 34.7067, 47.0609,
44.0131

■ 42.7615, 51.0410,
52.1757

■ 31.6048, 45.5408,
40.2998

■ 47.7783, 53.5337,
56.6349

■ 29.0726, 44.3097,
36.8247

■ 53.4936, 56.3816,
61.3526

■ 27.0698, 43.3469,
33.5823

■ 59.9343, 59.5983,
66.3332

■ 25.5505, 42.6288,
30.5665

■ 67.1259, 63.1970,
71.5812

■ 24.4604, 42.1276,
27.7708

■ 74.4257, 66.8462,
77.0697

■ 23.7138, 41.7975,
25.2617

■ 75.4575, 67.2590,
82.5034

■ 76.5357, 67.6902,
88.1809

■ 77.6607, 68.1402,
94.1051

Harmonies

Analogous

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



40.2913, 48.8866, 37.9881



38.4132, 48.8866, 47.9689



38.5874, 48.8866, 61.1467

Triad

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



38.4132, 48.8866, 47.9689



49.1533, 48.8866, 80.9802



52.6512, 48.8866, 36.7675

Complementary

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



38.4132, 48.8866, 47.9689



38.8119, 32.7572, 37.9974

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.



55.3483, 48.8866, 46.0265



38.4132, 48.8866, 47.9689



53.2398, 48.8866, 72.0828

Square

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



38.4132, 48.8866, 47.9689



44.5902, 48.8866, 81.7306



55.5705, 48.8866, 58.8607



48.3921, 48.8866, 32.2688

Rectangle

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



38.4132, 48.8866, 47.9689



39.8439, 48.8866, 70.0393



55.5705, 48.8866, 58.8607



53.7823, 48.8866, 39.3501

Sweetspot

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



38.4146, 48.8886, 47.9700



85.7205, 95.3504, 101.2378



39.6834, 49.9067, 31.5870



18.0459, 20.2587, 21.4117



0.0000, 0.0000, 0.0000



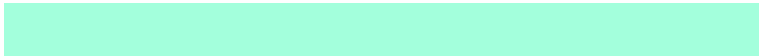
20.3446, 21.4041, 23.3091

Same Dimension

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



38.4146, 48.8886, 47.9700



63.7980, 84.4848, 80.5212



39.5255, 47.1818, 60.4522



10.7677, 11.9960, 12.7270



15.4639, 27.1979, 16.6532



0.7668, 1.3017, 0.9706

Inverse Universe

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



38.8119, 32.7572, 37.9974



64.6111, 51.6208, 60.2222



37.8509, 33.7885, 28.5724



10.7993, 10.7031, 11.9265



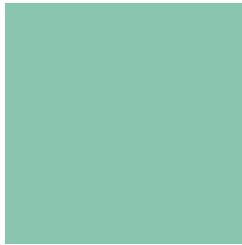
16.0303, 8.1617, 5.3695



0.7943, 0.4006, 0.4398

Previews

White Background



This preview shows how the XYZ color 38.4132, 48.8866, 47.9689 looks on a white background.

Color Contrast Check

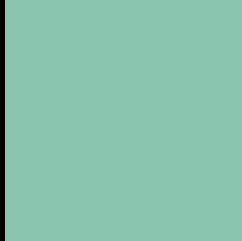
Large Text (above 18pt) WCAG AA × Fail

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 38.4132, 48.8866, 47.9689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

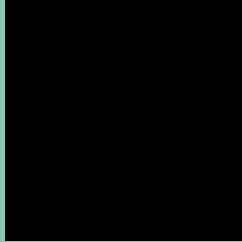
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4132, 48.8866, 47.9689

Background



This preview shows how black text looks on a background with the XYZ color 38.4132, 48.8866, 47.9689.



This preview shows how white text looks on a background with the XYZ color 38.4132, 48.8866,

47.9689.

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

38.4132, 48.8866, 47.9689

Protanopia

45.9466, 48.3146, 43.9498

Deuteranopia

49.4336, 48.4740, 49.3988



Tritanopia

42.2556, 48.7631, 67.5067

Trichromacy



Original Color

38.4132, 48.8866, 47.9689

Protanomaly

42.5615, 48.1061, 45.5703

Deuteranomaly

44.6508, 48.1559, 49.0612

Tritanomaly

40.7485, 48.8122, 60.0974

Monochromacy



Original Color

38.4132, 48.8866, 47.9689

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.2897, 45.6190, 47.7562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4132, 48.8866, 47.9689 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, 175)` looks like.

```
.text, #text, p{  
    color:rgb(138, 198, 175)  
}
```

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, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 198, 175) }
```

Border

The CSS property to change the border of an element to XYZ 38.4132, 48.8866, 47.9689 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, 175) }
```


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

```
.border{ border-color:rgb(138, 198, 175) }
```

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, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 198, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 198, 175);  
box-shadow:4px 4px 4px 4px rgb(138, 198,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4132, 48.8866, 47.9689 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, 175) }
```

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

```
.background{ background-color: rgb(138,  
198, 175) }
```

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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