

Converting Colors

XYZ(38.4655, 48.5505, 49.1538)

Have a look what the booklet for
XYZ(38.4655, 48.5505, 49.1538)
contains.

XYZ(38.3833, 48.5101, 48.9353)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.3833, 48.5101,
48.9353)**

Conversions

Conversions Part 1

Format	Color
Hex	8AC5B1
RGB	138, 197, 177
RGB Percent	54%, 77%, 69%
CMY	0.4588, 0.2274, 0.3059
CMYK	0.30, 0.00, 0.10, 0.23
HSL	160°, 34%, 66%
HSV	160°, 30%, 77%
XYZ	38.3833, 48.5101, 48.9353
YIQ	177.0790, -28.7440, -18.7280

Conversions

Conversions Part 2

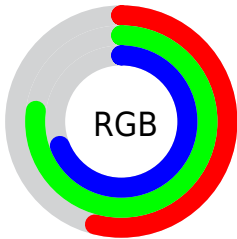
Format	Color
RYB	138, 174, 197
Decimal	9094577
CIELab	75.15, -23.29, 3.95
CIELCh	75, 23.625, 170.374
Yxy	48.5101, 0.2826, 0.3571
Android (android.graphics.Color)	4287284657 (0xFF8AC5B1)
YUV	177.0790, -0.0389, -34.2723
Hunter-Lab	69.6492, -23.5157, 7.0975

Details

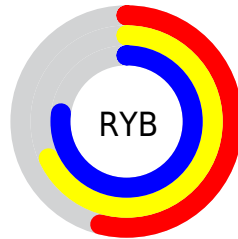
The XYZ color **38.3833, 48.5101, 48.9353** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.2877, 32.5172, 36.6083**, and the grayscale version is **41.8435, 44.0227, 47.9407**.

A 20% lighter version of the original color is **72.1421, 88.1043, 90.2943**, and **17.2983, 23.0786, 22.6117** is the 20% darker color. If you saturate the color by 10%, you get **34.7657, 46.7215, 45.3763**, and if you desaturate by 10%, it is **42.6274, 50.6205, 52.6958**.

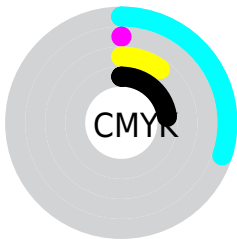
Distribution



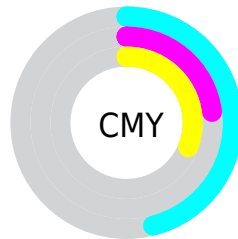
- Red (54%)
- Green (77%)
- Blue (69%)



- Red (54%)
- Yellow (68%)
- Blue (77%)



- Cyan (30%)
- Magenta (0%)
- Yellow (10%)
- Black (23%)



- Cyan (46%)
- Magenta (23%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3833, 48.5101, 48.9353 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 38.3833, 48.5101, 48.9353 by changing the saturation by 10% instead.

■ 38.3833, 48.5101,
48.9353

■ 38.3833, 48.5101,
48.9353

330.5139,
380.8105, 399.1027

■ 26.4589, 34.2310,
34.2029

■ 71.9954, 87.9634,
89.9753

■ 17.3017, 23.0711,
22.7709

■ 94.4137, 113.9064,
117.1201

■ 10.5465, 14.6460,
14.2207

■ 121.0608,
144.5062, 149.2394

■ 5.8278, 8.5713,
8.1338

152.3019,
180.1472, 186.7517

■ 2.7803, 4.4627,
4.0917

188.5024,
221.2137, 230.0757

■ 1.0387, 1.9356,
1.6758

230.0277,

■ 0.0000, 0.5696,

268.0901, 279.6298

0.3441

277.2430,
321.1609, 335.8326

■ 0.0000, 0.0000,
0.0000

■ 38.3833, 48.5101,
48.9353

■ 38.3833, 48.5101,
48.9353

■ 34.7657, 46.7215,
45.3763

■ 42.6274, 50.6205,
52.6958

■ 31.7380, 45.2320,
42.0115

■ 47.5240, 53.0622,
56.6583

■ 29.2662, 44.0254,
38.8380

■ 53.1025, 55.8515,
60.8275

■ 27.3108, 43.0815,
35.8514

■ 59.3891, 59.0019,
65.2068

■ 25.8270, 42.3771,
33.0471

■ 66.4089, 62.5264,
69.7998

■ 24.7618, 41.8850,
30.4198

■ 73.7411, 66.2078,
74.5887

■ 24.0145, 41.5533,
27.9622

■ 74.6281, 66.5626,
79.2596

■ 24.0110, 41.5518,
27.9502

■ 75.5507, 66.9317,
84.1179

■ 76.5092, 67.3151,
89.1655

Harmonies

Analogous

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



39.9930, 48.5101, 39.0367



38.3833, 48.5101, 48.9353



38.7413, 48.5101, 61.5544

Triad

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



38.3833, 48.5101, 48.9353



49.0643, 48.5101, 78.4454



51.6183, 48.5101, 36.5138

Complementary

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



38.3833, 48.5101, 48.9353



38.2877, 32.5172, 36.6083

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.



54.3526, 48.5101, 44.9523



38.3833, 48.5101, 48.9353



52.8153, 48.5101, 69.5151

Square

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



38.3833, 48.5101, 48.9353



44.7305, 48.5101, 79.9584



54.8039, 48.5101, 56.9035



47.5123, 48.5101, 32.6422

Rectangle

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



38.3833, 48.5101, 48.9353



40.0565, 48.5101, 69.8018



54.8039, 48.5101, 56.9035



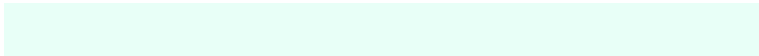
52.7389, 48.5101, 38.8421

Sweetspot

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



38.3847, 48.5121, 48.9364



85.8774, 95.4131, 102.0638



38.7840, 49.1048, 31.4796



18.0847, 20.2742, 21.6156



0.0000, 0.0000, 0.0000



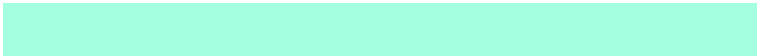
20.3446, 21.4041, 23.3091

Same Dimension

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



38.3847, 48.5121, 48.9364



64.3433, 84.7029, 83.3927



38.5761, 45.4669, 59.5685



10.7880, 12.0041, 12.8337



15.8327, 27.3455, 18.5956



0.7825, 1.3080, 1.0536

Inverse Universe

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



38.2877, 32.5172, 36.6083



64.1465, 51.4350, 57.7755



38.0253, 34.5274, 28.7059



10.7798, 10.6953, 11.8235



15.8427, 8.0866, 4.3816



0.7841, 0.3965, 0.3863

Previews

White Background



This preview shows how the XYZ color 38.3833, 48.5101, 48.9353 looks on a white background.

Color Contrast Check

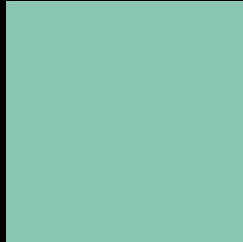
Large Text (above 18pt) WCAG AA × Fail

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 38.3833, 48.5101, 48.9353 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

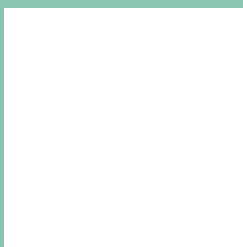
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.3833, 48.5101, 48.9353

Background



This preview shows how black text looks on a background with the XYZ color 38.3833, 48.5101, 48.9353.



This preview shows how white text looks on a background with the XYZ color 38.3833, 48.5101,

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

38.3833, 48.5101, 48.9353

Protanopia

45.8820, 48.2596, 44.9270

Deuteranopia

48.8895, 47.8735, 50.3798



Tritanopia

42.1322, 48.7137, 66.8566

Trichromacy



Original Color

38.3833, 48.5101, 48.9353

Protanomaly

42.7537, 48.1830, 46.5820

Deuteranomaly

44.1776, 47.5769, 50.0349

Tritanomaly

40.5252, 48.3656, 60.0229

Monochromacy



Original Color

38.3833, 48.5101, 48.9353

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.1806, 45.2418, 48.2098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3833, 48.5101, 48.9353 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, 197, 177)` looks like.

```
.text, #text, p{  
    color:rgb(138, 197, 177)  
}
```

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, 197, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 197, 177) }
```

Border

The CSS property to change the border of an element to XYZ 38.3833, 48.5101, 48.9353 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, 197, 177) }
```


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

```
.border{ border-color:rgb(138, 197, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 197, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 197, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 197, 177);  
box-shadow:4px 4px 4px 4px rgb(138, 197,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3833, 48.5101, 48.9353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 197, 177) }
```

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

```
.background{ background-color: rgb(138,  
197, 177) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor