

Converting Colors

XYZ(38.3222, 45.5095, 47.6873)

Have a look what the booklet for
XYZ(38.3222, 45.5095, 47.6873)
contains.

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Color

**XYZ(38.3974, 45.5851,
47.8493)**

Conversions

Conversions Part 1

Format	Color
Hex	96BCB0
RGB	150, 188, 176
RGB Percent	59%, 74%, 69%
CMY	0.4118, 0.2627, 0.3098
CMYK	0.20, 0.00, 0.06, 0.26
HSL	161°, 22%, 66%
HSV	161°, 20%, 74%
XYZ	38.3974, 45.5851, 47.8493
YIQ	175.2700, -18.7960, -11.7880

Conversions

Conversions Part 2

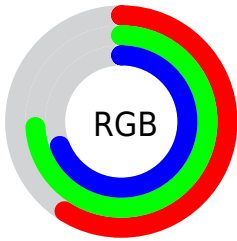
Format	Color
RYB	150, 173, 188
Decimal	9878704
CIELab	73.28, -15.19, 1.87
CIElCh	73, 15.301, 172.988
Yxy	45.5851, 0.2913, 0.3458
Android (android.graphics.Color)	4288068784 (0xFF96BCB0)
YUV	175.2700, 0.3599, -22.1618
Hunter-Lab	67.5167, -16.6397, 5.2427

Details

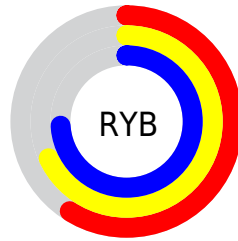
The XYZ color **38.3974, 45.5851, 47.8493** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.1686, 35.1139, 38.9505**, and the grayscale version is **40.8936, 43.0233, 46.8523**.

A 20% lighter version of the original color is **72.0930, 83.5067, 88.6626**, and **17.3391, 21.3799, 22.2816** is the 20% darker color. If you saturate the color by 10%, you get **34.6371, 43.7142, 44.6738**, and if you desaturate by 10%, it is **42.7411, 47.7562, 51.1882**.

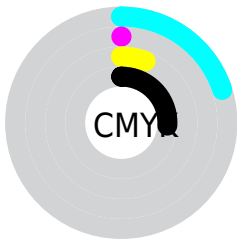
Distribution



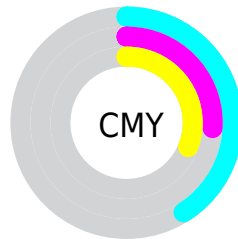
- Red (59%)
- Green (74%)
- Blue (69%)



- Red (59%)
- Yellow (68%)
- Blue (74%)



- Cyan (20%)
- Magenta (0%)
- Yellow (6%)
- Black (26%)





- Cyan (41%)
- Magenta (26%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3974, 45.5851, 47.8493 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 38.3974, 45.5851, 47.8493 by changing the saturation by 10% instead.


 38.3974, 45.5851,
47.8493


 38.3974, 45.5851,
47.8493


330.5731,
369.1381, 394.6859

 26.4699, 31.9185,
33.3484


 72.0168, 83.5977,
88.3432

 17.3100, 21.2993,
22.1202


 94.4394, 108.7126,
115.1733

 10.5524, 13.3429,
13.7461


121.0911,
138.4123, 146.9502

 5.8318, 7.6651,
7.8075

152.3372,
173.0813, 184.0925

 2.7828, 3.8814,
3.8860

188.5431,
213.1040, 227.0186

 1.0400, 1.6075,
1.5630

230.0742,

 0.0000, 0.3626,

258.8648, 276.1472

0.2642

277.2957,
310.7480, 331.8968

■ 0.0000, 0.0000,
0.0000

■ 38.3974, 45.5851,
47.8493

■ 38.3974, 45.5851,
47.8493

■ 34.6371, 43.7142,
44.6738

■ 42.7411, 47.7562,
51.1882

■ 31.4295, 42.1241,
41.6556

■ 47.6892, 50.2347,
54.6904

■ 28.7470, 40.8019,
38.7928

■ 53.2666, 53.0345,
58.3594

■ 26.5581, 39.7311,
36.0821

■ 59.4954, 56.1670,
62.1980

■ 24.8275, 38.8939,
33.5201

■ 66.3967, 59.6432,
66.2087

■ 23.5154, 38.2697,
31.1030

■ 71.0610, 61.9629,
70.2570

■ 22.5746, 37.8340,
28.8268

■ 71.8224, 62.2675,
74.2663

■ 21.9216, 37.5432,
26.7294

■ 72.6116, 62.5831,
78.4222

■ 73.4289, 62.9101,
82.7261

Harmonies

Analogous

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



39.3300, 45.5851, 41.2466



38.3974, 45.5851, 47.8493



38.7414, 45.5851, 55.6423

Triad

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



38.3974, 45.5851, 47.8493



45.3772, 45.5851, 64.5456



46.5136, 45.5851, 38.7285

Complementary

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



38.3974, 45.5851, 47.8493



38.1686, 35.1139, 38.9505

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.



48.2614, 45.5851, 44.0753



38.3974, 45.5851, 47.8493



47.5866, 45.5851, 59.0886

Square

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



38.3974, 45.5851, 47.8493



42.6994, 45.5851, 65.8224



48.6620, 45.5851, 51.4634



43.9613, 45.5851, 36.3453

Rectangle

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



38.3974, 45.5851, 47.8493



39.6556, 45.5851, 60.4263



48.6620, 45.5851, 51.4634



47.2189, 45.5851, 40.2106

Sweetspot

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



38.3987, 45.5870, 47.8503



81.0131, 88.3262, 95.3423



38.3968, 45.8554, 35.6822



17.2980, 18.9323, 20.4146



90.7827, 95.5105, 104.0109



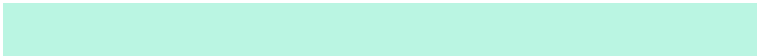
18.6292, 19.5994, 21.3438

Same Dimension

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



38.3987, 45.5870, 47.8503



66.6142, 81.1334, 84.2763



38.1869, 43.1780, 53.9007



9.6768, 10.7569, 11.5477



14.9595, 25.5741, 18.3814



0.6144, 1.0131, 0.8695

Inverse Universe

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



38.1686, 35.1139, 38.9505



66.1272, 58.9033, 65.3917



38.2969, 36.9974, 33.9777



9.6510, 9.5847, 10.5511



14.6945, 7.5090, 3.6851



0.6061, 0.3063, 0.3047

Previews

White Background



This preview shows how the XYZ color 38.3974, 45.5851, 47.8493 looks on a white background.

Color Contrast Check

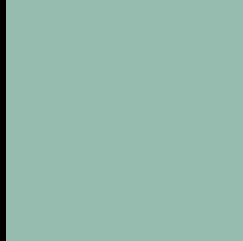
Large Text (above 18pt) WCAG AA × Fail

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 38.3974, 45.5851, 47.8493 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

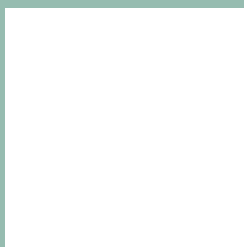
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.3974, 45.5851, 47.8493

Background



This preview shows how black text looks on a background with the XYZ color 38.3974, 45.5851, 47.8493.

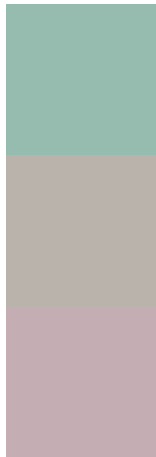


This preview shows how white text looks on a background with the XYZ color 38.3974, 45.5851,

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

38.3974, 45.5851, 47.8493

Protanopia

43.4784, 45.4948, 45.0179

Deuteranopia

46.2987, 45.3971, 48.9701



Tritanopia

40.9842, 45.6915, 60.6921

Trichromacy



Original Color

38.3974, 45.5851, 47.8493

Protanomaly

41.2840, 45.2437, 46.0922

Deuteranomaly

42.9784, 45.1579, 48.5706

Tritanomaly

40.0997, 45.6517, 55.9884

Monochromacy



Original Color

38.3974, 45.5851, 47.8493

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.7850, 43.8447, 46.9234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3974, 45.5851, 47.8493 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(150, 188, 176)` looks like.

```
.text, #text, p{  
    color:rgb(150, 188, 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(150, 188, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 188, 176) }
```

Border

The CSS property to change the border of an element to XYZ 38.3974, 45.5851, 47.8493 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(150, 188, 176) }
```


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

```
.border{ border-color:rgb(150, 188, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 188, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 188, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 188, 176);  
box-shadow:4px 4px 4px 4px rgb(150, 188,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3974, 45.5851, 47.8493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 188, 176) }
```

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

```
.background{ background-color: rgb(150,  
188, 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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