

Converting Colors

XYZ(38.9972, 46.1725, 47.6845)

Have a look what the booklet for
XYZ(38.9972, 46.1725, 47.6845)
contains.

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Color

**XYZ(38.9830, 46.2052,
47.9382)**

Conversions

Conversions Part 1

Format	Color
Hex	98BDB0
RGB	152, 189, 176
RGB Percent	60%, 74%, 69%
CMY	0.4039, 0.2588, 0.3098
CMYK	0.20, 0.00, 0.07, 0.26
HSL	159°, 22%, 67%
HSV	159°, 20%, 74%
XYZ	38.9830, 46.2052, 47.9382
YIQ	176.4550, -17.8790, -11.8870

Conversions

Conversions Part 2

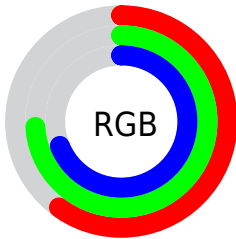
Format	Color
RYB	152, 174, 189
Decimal	10010032
CIELab	73.68, -15.05, 2.47
CIELCh	74, 15.255, 170.687
Yxy	46.2052, 0.2928, 0.3471
Android (android.graphics.Color)	4288200112 (0xFF98BDB0)
YUV	176.4550, -0.2243, -21.4470
Hunter-Lab	67.9744, -16.5863, 5.7685

Details

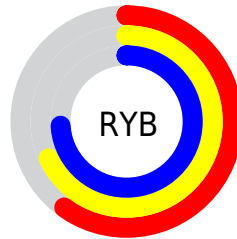
The XYZ color **38.9830, 46.2052, 47.9382** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.0077, 35.9932, 40.4908**, and the grayscale version is **41.5133, 43.6752, 47.5623**.

A 20% lighter version of the original color is **72.9500, 84.3964, 88.7892**, and **17.6978, 21.7729, 22.3386** is the 20% darker color. If you saturate the color by 10%, you get **35.0826, 44.2698, 44.4094**, and if you desaturate by 10%, it is **43.4819, 48.4479, 51.6648**.

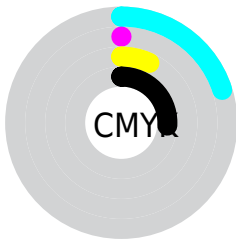
Distribution



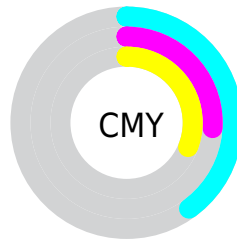
- Red (60%)
- Green (74%)
- Blue (69%)



- Red (60%)
- Yellow (68%)
- Blue (74%)



- Cyan (20%)
- Magenta (0%)
- Yellow (7%)
- Black (26%)



- Cyan (40%)
- Magenta (26%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9830, 46.2052, 47.9382 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 38.9830, 46.2052, 47.9382 by changing the saturation by 10% instead.

■ 38.9830, 46.2052,
47.9382

■ 38.9830, 46.2052,
47.9382

333.0266,
371.6330, 395.0488

■ 26.9272, 32.4078,
33.4183

■ 72.9066, 84.5260,
88.4770

■ 17.6548, 21.6732,
22.1734

■ 95.5050, 109.8182,
115.3329

■ 10.8006, 13.6169,
13.7848

122.3484,
139.7108, 147.1380

■ 5.9992, 7.8547,
7.8341

153.8021,
174.5881, 184.3107

■ 2.8853, 4.0021,
3.9027

190.2314,
214.8346, 227.2696

■ 1.0934, 1.6748,
1.5721

232.0017,

■ 0.0196, 0.4072,

260.8346, 276.4332

0.2708

279.4783,
312.9726, 332.2201

■ 0.0000, 0.0000,
0.0000

■ 38.9830, 46.2052,
47.9382

■ 38.9830, 46.2052,
47.9382

■ 35.0826, 44.2698,
44.4094

■ 43.4819, 48.4479,
51.6648

■ 31.7497, 42.6221,
41.0717

■ 48.6006, 51.0051,
55.5897

■ 28.9563, 41.2488,
37.9222

■ 54.3644, 53.8911,
59.7172

■ 26.6705, 40.1337,
34.9572

■ 60.7957, 57.1173,
64.0507

■ 24.8567, 39.2584,
32.1723

■ 67.9160, 60.6948,
68.5933

■ 23.4748, 38.6024,
29.5630

■ 71.8138, 62.6071,
73.1641

■ 22.4773, 38.1411,
27.1245

■ 72.6894, 62.9573,
77.7746

■ 21.7754, 37.8288,
24.8499

■ 73.6000, 63.3215,
82.5700

■ 21.7479, 37.8167,
24.7572

■ 74.5462, 63.7000,
87.5524

Harmonies

Analogous

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



40.0155, 46.2052, 41.4529



38.9830, 46.2052, 47.9382



39.2299, 46.2052, 55.7555

Triad

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



38.9830, 46.2052, 47.9382



45.7792, 46.2052, 65.5656



47.2938, 46.2052, 39.6457

Complementary

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



38.9830, 46.2052, 47.9382



39.0077, 35.9932, 40.4908

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.



48.9626, 46.2052, 45.2304



38.9830, 46.2052, 47.9382



48.0635, 46.2052, 60.3457

Square

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



38.9830, 46.2052, 47.9382



43.0806, 46.2052, 66.4811



49.2499, 46.2052, 52.7580



44.7634, 46.2052, 36.9994

Rectangle

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



38.9830, 46.2052, 47.9382



40.0909, 46.2052, 60.6551



49.2499, 46.2052, 52.7580



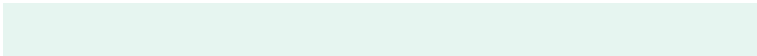
47.9784, 46.2052, 41.2129

Sweetspot

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



38.9843, 46.2071, 47.9392



80.9356, 88.2952, 94.9338



39.5018, 46.7245, 36.6433



17.2796, 18.9249, 20.3177



90.7827, 95.5105, 104.0109



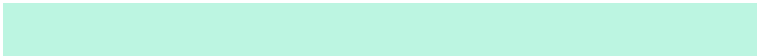
18.6292, 19.5994, 21.3438

Same Dimension

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



38.9843, 46.2071, 47.9392



67.0460, 81.3754, 83.4181



39.2901, 44.6601, 54.6958



9.6623, 10.7510, 11.4712



14.6693, 25.4580, 16.8530



0.6045, 1.0092, 0.8176

Inverse Universe

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



39.0077, 35.9932, 40.4908



67.0956, 60.1232, 67.9246



38.7009, 37.1785, 34.8429



9.6649, 9.5903, 10.6244



14.8232, 7.5604, 4.3627



0.6121, 0.3087, 0.3365

Previews

White Background



This preview shows how the XYZ color 38.9830, 46.2052, 47.9382 looks on a white background.

Color Contrast Check

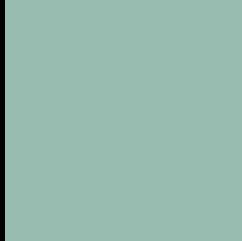
Large Text (above 18pt) WCAG AA × Fail

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 38.9830, 46.2052, 47.9382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

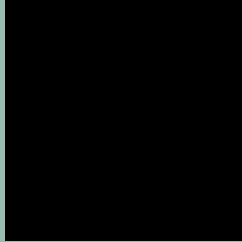
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

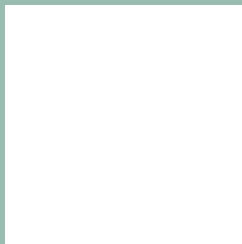
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9830, 46.2052, 47.9382

Background



This preview shows how black text looks on a background with the XYZ color 38.9830, 46.2052, 47.9382.



This preview shows how white text looks on a background with the XYZ color 38.9830, 46.2052,

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

38.9830, 46.2052, 47.9382

Protanopia

43.9216, 46.0219, 45.0963

Deuteranopia

46.7554, 45.9204, 49.0471



Tritanopia

41.6789, 46.0362, 61.3327

Trichromacy



Original Color

38.9830, 46.2052, 47.9382

Protanomaly

41.9319, 45.8828, 46.1814

Deuteranomaly

43.4132, 45.6806, 48.6486

Tritanomaly

40.4804, 45.8480, 56.0062

Monochromacy



Original Color

38.9830, 46.2052, 47.9382

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.2967, 44.3978, 47.5201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9830, 46.2052, 47.9382 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(152, 189, 176)` looks like.

```
.text, #text, p{  
    color:rgb(152, 189, 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(152, 189, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 189, 176) }
```

Border

The CSS property to change the border of an element to XYZ 38.9830, 46.2052, 47.9382 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(152, 189, 176) }
```


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

```
.border{ border-color:rgb(152, 189, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 189, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 189, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 189, 176);  
box-shadow:4px 4px 4px 4px rgb(152, 189,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9830, 46.2052, 47.9382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 189, 176) }
```

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

```
.background{ background-color: rgb(152,  
189, 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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