

Converting Colors

XYZ(38.1083, 42.8790, 48.3544)

Have a look what the booklet for
XYZ(38.1083, 42.8790, 48.3544)
contains.

XYZ(38.0674, 42.9248, 48.3984)	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(38.0674, 42.9248,
48.3984)**

Conversions

Conversions Part 1

Format	Color
Hex	9CB4B2
RGB	156, 180, 178
RGB Percent	61%, 71%, 70%
CMY	0.3882, 0.2941, 0.3020
CMYK	0.13, 0.00, 0.01, 0.29
HSL	175°, 14%, 66%
HSV	175°, 13%, 71%
XYZ	38.0674, 42.9248, 48.3984
YIQ	172.5960, -13.6620, -5.7100

Conversions

Conversions Part 2

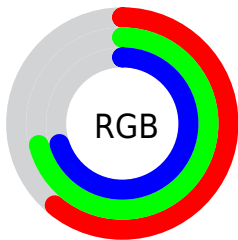
Format	Color
R _Y B	156, 169, 180
Decimal	10269874
CIE Lab	71.50, -8.61, -1.77
CIE LCh	72, 8.791, 191.589
Yxy	42.9248, 0.2942, 0.3317
Android (android.graphics.Color)	4288459954 (0xFF9CB4B2)
YUV	172.5960, 2.6642, -14.5547
Hunter-Lab	65.5170, -10.9408, 2.0635

Details

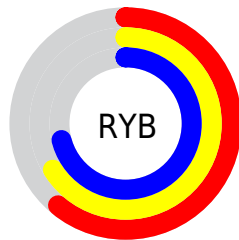
The XYZ color **38.0674, 42.9248, 48.3984** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.8839, 35.9499, 37.3446**, and the grayscale version is **39.5077, 41.5652, 45.2645**.

A 20% lighter version of the original color is **71.7107, 79.7803, 89.4615**, and **17.0000, 19.6025, 22.2897** is the 20% darker color. If you saturate the color by 10%, you get **34.6894, 41.2019, 47.4582**, and if you desaturate by 10%, it is **41.9657, 44.9181, 49.3734**.

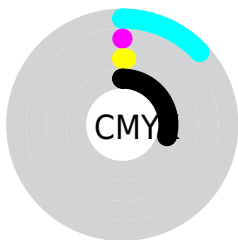
Distribution



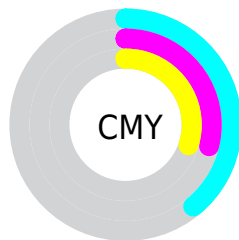
- Red (61%)
- Green (71%)
- Blue (70%)



- Red (61%)
- Yellow (66%)
- Blue (71%)



- Cyan (13%)
- Magenta (0%)
- Yellow (1%)
- Black (29%)



- Cyan (39%)
- Magenta (29%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0674, 42.9248, 48.3984 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 38.0674, 42.9248, 48.3984 by changing the saturation by 10% instead.

■ 38.0674, 42.9248,
48.3984

■ 38.0674, 42.9248,
48.3984

329.1849,
358.3024, 396.9233

■ 26.2125, 29.8261,
33.7803

■ 71.5147, 79.5974,
89.1690

■ 17.1162, 19.7066,
22.4488

■ 93.8377, 103.9400,
116.1585

■ 10.4132, 12.1820,
13.9856

120.3808,
132.7995, 148.1090

■ 5.7381, 6.8677,
7.9720

151.5093,
166.5601, 185.4388

■ 2.7256, 3.3795,
3.9895

187.5887,
205.6064, 228.5666

■ 1.0104, 1.3329,
1.6196

228.9841,

■ 0.0000, 0.1665,

250.3226, 277.9110

0.3047

276.0611,
301.0931, 333.8903

■ 0.0000, 0.0000,
0.0000

■ 38.0674, 42.9248,
48.3984

■ 38.0674, 42.9248,
48.3984

■ 34.6894, 41.2019,
47.4582

■ 41.9657, 44.9181,
49.3734

■ 31.8055, 39.7323,
46.5488

■ 46.4019, 47.1873,
50.3812

■ 29.3924, 38.5053,
45.6701

■ 51.3971, 49.7446,
51.4240

■ 27.4240, 37.5072,
44.8206

■ 56.9706, 52.5997,
52.5024

■ 25.8711, 36.7233,
43.9992

■ 63.1403, 55.7620,
53.6176

■ 24.7014, 36.1367,
43.2041

■ 66.5331, 57.4925,
54.6115

■ 23.8777, 35.7282,
42.4337

■ 66.6948, 57.5572,
55.4630

■ 23.3553, 35.4749,
41.6859

■ 66.8582, 57.6226,
56.3233

■ 23.1122, 35.3602,
41.1970

■ 67.0233, 57.6886,
57.1926

Harmonies

Analogous

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



38.1514, 42.9248, 44.2046



38.0674, 42.9248, 48.3984



38.7020, 42.9248, 52.3735

Triad

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



38.0674, 42.9248, 48.3984



42.7218, 42.9248, 53.1187



41.7064, 42.9248, 39.4064

Complementary

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



38.0674, 42.9248, 48.3984



36.8839, 35.9499, 37.3446

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.



42.9698, 42.9248, 41.5216



38.0674, 42.9248, 48.3984



43.5658, 42.9248, 49.3660

Square

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



38.0674, 42.9248, 48.3984



41.3745, 42.9248, 55.2071



43.6577, 42.9248, 45.1156



40.2283, 42.9248, 39.1823

Rectangle

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



38.0674, 42.9248, 48.3984



39.4564, 42.9248, 54.2986



43.6577, 42.9248, 45.1156



42.1712, 42.9248, 39.9136

Sweetspot

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



38.0686, 42.9266, 48.3994



75.5377, 81.1602, 89.3883



36.5026, 42.3544, 37.7044



16.2065, 17.4803, 19.2912



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



38.0686, 42.9266, 48.3994



67.1267, 76.8628, 87.2464



36.3996, 39.2643, 48.8425



8.7115, 9.6191, 10.7402



16.1421, 24.6828, 28.8149



0.5168, 0.7802, 0.9537

Inverse Universe

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



36.8839, 35.9499, 37.3446



64.5581, 61.7350, 63.2772



38.3882, 39.2322, 37.0024



8.5242, 8.5164, 8.9928



13.2080, 6.8008, 0.9895



0.4250, 0.2177, 0.0807

Previews

White Background



This preview shows how the XYZ color 38.0674, 42.9248, 48.3984 looks on a white background.

Color Contrast Check

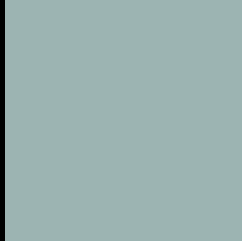
Large Text (above 18pt) WCAG AA × Fail

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 38.0674, 42.9248, 48.3984 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

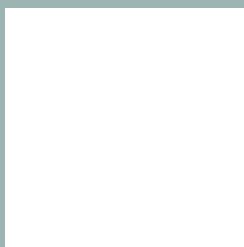
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.0674, 42.9248, 48.3984

Background



This preview shows how black text looks on a background with the XYZ color 38.0674, 42.9248, 48.3984.

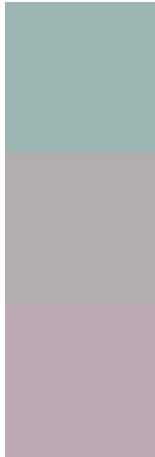


This preview shows how white text looks on a background with the XYZ color 38.0674, 42.9248,

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

38.0674, 42.9248, 48.3984

Protanopia

41.2340, 42.8322, 46.6516

Deuteranopia

43.4125, 42.4900, 49.0933



Tritanopia

39.7329, 43.0175, 56.0782

Trichromacy



Original Color

38.0674, 42.9248, 48.3984

Protanomaly

39.9394, 42.7313, 47.2172

Deuteranomaly

41.2117, 42.4889, 48.6769

Tritanomaly

39.1903, 43.0972, 53.2667

Monochromacy



Original Color

38.0674, 42.9248, 48.3984

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.1995, 42.3613, 46.6680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0674, 42.9248, 48.3984 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(156, 180, 178)` looks like.

```
.text, #text, p{  
    color:rgb(156, 180, 178)  
}
```

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(156, 180, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 180, 178) }
```

Border

The CSS property to change the border of an element to XYZ 38.0674, 42.9248, 48.3984 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(156, 180, 178) }
```


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

```
.border{ border-color:rgb(156, 180, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 180, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 180, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 180, 178);  
box-shadow:4px 4px 4px 4px rgb(156, 180,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0674, 42.9248, 48.3984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 180, 178) }
```

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

```
.background{ background-color: rgb(156,  
180, 178) }
```

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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