

Converting Colors

XYZ(38.2974, 50.7490, 48.5692)

Have a look what the booklet for
XYZ(38.2974, 50.7490, 48.5692)
contains.

XYZ(38.3840, 50.9480, 48.3683)	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(38.3840, 50.9480,
48.3683)**

Conversions

Conversions Part 1

Format	Color
Hex	81CCAF
RGB	129, 204, 175
RGB Percent	51%, 80%, 69%
CMY	0.4941, 0.2000, 0.3137
CMYK	0.37, 0.00, 0.14, 0.20
HSL	157°, 42%, 65%
HSV	157°, 37%, 80%
XYZ	38.3840, 50.9480, 48.3683
YIQ	178.2690, -35.3910, -24.9190

Conversions

Conversions Part 2

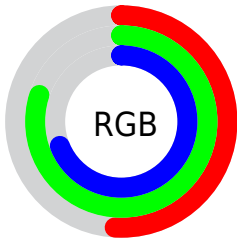
Format	Color
RYB	129, 175, 204
Decimal	8506543
CIELab	76.65, -29.76, 7.13
CIElCh	77, 30.607, 166.521
Yxy	50.9480, 0.2788, 0.3700
Android (android.graphics.Color)	4286696623 (0xFF81CCAF)
YUV	178.2690, -1.6116, -43.2089
Hunter-Lab	71.3779, -28.9215, 9.7874

Details

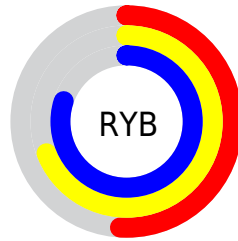
The XYZ color **38.3840, 50.9480, 48.3683** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.9254, 31.0078, 36.2834**, and the grayscale version is **42.4822, 44.6946, 48.6724**.

A 20% lighter version of the original color is **69.9510, 87.4799, 88.7998**, and **17.2242, 24.4208, 22.5448** is the 20% darker color. If you saturate the color by 10%, you get **34.8371, 49.2078, 44.2759**, and if you desaturate by 10%, it is **42.5976, 53.0294, 52.7304**.

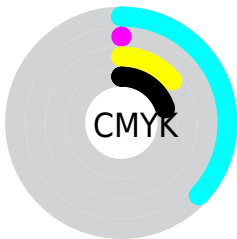
Distribution



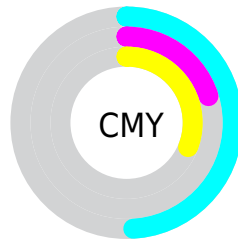
- Red (51%)
- Green (80%)
- Blue (69%)



- Red (51%)
- Yellow (69%)
- Blue (80%)



- Cyan (37%)
- Magenta (0%)
- Yellow (14%)
- Black (20%)



- Cyan (49%)
- Magenta (20%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3840, 50.9480, 48.3683 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 38.3840, 50.9480, 48.3683 by changing the saturation by 10% instead.

■ 38.3840, 50.9480,
48.3683

■ 38.3840, 50.9480,
48.3683

330.5168,
390.3617, 396.8009

■ 26.4594, 36.1672,
33.7566

■ 71.9964, 91.5779,
89.1238

■ 17.3021, 24.5634,
22.4308

■ 94.4150, 118.1958,
116.1046

■ 10.5468, 15.7521,
13.9725

■ 121.0623,
149.5282, 148.0455

■ 5.8280, 9.3489,
7.9630

152.3036,
185.9596, 185.3651

■ 2.7804, 4.9694,
3.9838

188.5044,
227.8742, 228.4819

■ 1.0387, 2.2293,
1.6165

230.0300,

■ 0.0000, 0.7359,

275.6565, 277.8144

0.3025

277.2456,
329.6909, 333.7812

■ 0.0000, 0.0000,
0.0000

■ 38.3840, 50.9480,
48.3683

■ 38.3840, 50.9480,
48.3683

■ 34.8371, 49.2078,
44.2759

■ 42.5976, 53.0294,
52.7304

■ 31.9149, 47.7831,
40.4440

■ 47.5084, 55.4635,
57.3642

■ 29.5771, 46.6547,
36.8677

■ 53.1501, 58.2690,
62.2763

■ 27.7765, 45.7982,
33.5405

■ 59.5527, 61.4613,
67.4717

■ 26.4584, 45.1856,
30.4556

■ 66.7446, 65.0550,
72.9555

■ 25.5510, 44.7800,
27.6050

■ 74.7529, 69.0638,
78.7324

■ 25.3030, 44.6712,
26.7303

■ 77.1479, 70.1732,
84.5050

■ 78.2826, 70.6271,
90.4805

■ 79.4682, 71.1013,
96.7236

Harmonies

Analogous

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



40.7863, 50.9480, 36.2981



38.3840, 50.9480, 48.3683



38.5152, 50.9480, 65.0447

Triad

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



38.3840, 50.9480, 48.3683



51.6603, 50.9480, 92.0042



56.4969, 50.9480, 35.4032

Complementary

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



38.3840, 50.9480, 48.3683



38.9254, 31.0078, 36.2834

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.



59.9026, 50.9480, 46.8909



38.3840, 50.9480, 48.3683



56.9615, 50.9480, 80.4348

Square

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



38.3840, 50.9480, 48.3683



45.8754, 50.9480, 92.6196



60.0791, 50.9480, 63.2430



51.0664, 50.9480, 29.8836

Rectangle

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



38.3840, 50.9480, 48.3683



40.0166, 50.9480, 76.6968



60.0791, 50.9480, 63.2430



57.9348, 50.9480, 38.5785

Sweetspot

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



38.3854, 50.9501, 48.3695



83.7752, 94.3837, 99.5125



39.8550, 52.1438, 28.7339



17.6570, 20.0656, 21.0607



0.0000, 0.0000, 0.0000



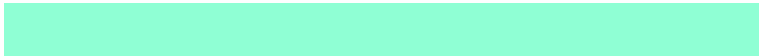
20.3446, 21.4041, 23.3091

Same Dimension

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



38.3854, 50.9501, 48.3695



58.8880, 82.0758, 74.7705



39.8069, 48.7346, 64.4378



11.3523, 12.6507, 13.4126



15.9721, 28.1341, 17.0698



0.8604, 1.4660, 1.0726

Inverse Universe

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



38.9254, 31.0078, 36.2834



59.9152, 44.3980, 51.9702



37.7406, 32.1732, 24.9906



11.3889, 11.2843, 12.5825



16.6016, 8.4512, 5.6207



0.8933, 0.4507, 0.4841

Previews

White Background



This preview shows how the XYZ color 38.3840, 50.9480, 48.3683 looks on a white background.

Color Contrast Check

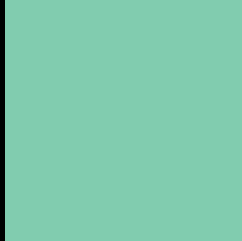
Large Text (above 18pt) WCAG AA × Fail

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 38.3840, 50.9480, 48.3683 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

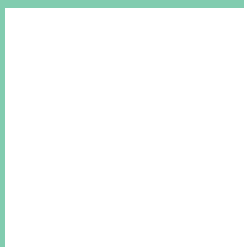
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.3840, 50.9480, 48.3683

Background



This preview shows how black text looks on a background with the XYZ color 38.3840, 50.9480, 48.3683.



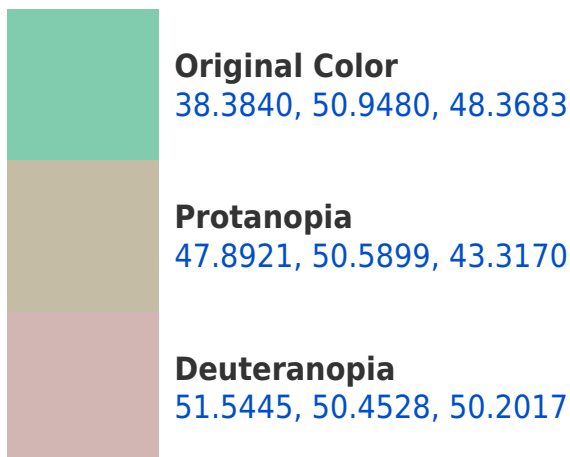
This preview shows how white text looks on a background with the XYZ color 38.3840, 50.9480,

48.3683.

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





Tritanopia

42.8129, 50.6465, 71.1376

Trichromacy



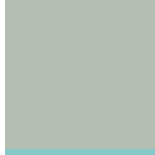
Original Color

38.3840, 50.9480, 48.3683



Protanomaly

43.4665, 50.2188, 44.9384



Deuteranomaly

45.5054, 49.8650, 49.3460



Tritanomaly

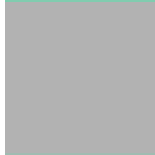
41.0713, 50.6296, 62.2514

Monochromacy



Original Color

38.3840, 50.9480, 48.3683



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

40.2033, 46.1886, 48.3913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3840, 50.9480, 48.3683 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(129, 204, 175)` looks like.

```
.text, #text, p{  
    color:rgb(129, 204, 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(129, 204, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 204, 175) }
```

Border

The CSS property to change the border of an element to XYZ 38.3840, 50.9480, 48.3683 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(129, 204, 175) }
```


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

```
.border{ border-color:rgb(129, 204, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 204, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 204, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 204, 175);  
box-shadow:4px 4px 4px 4px rgb(129, 204,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3840, 50.9480, 48.3683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 204, 175) }
```

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

```
.background{ background-color: rgb(129,  
204, 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](#).

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