

Converting Colors

XYZ(39.0379, 51.2183, 48.4939)

Have a look what the booklet for
XYZ(39.0379, 51.2183, 48.4939)
contains.

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Color

**XYZ(39.0036, 51.2674,
48.3973)**

Conversions

Conversions Part 1

Format	Color
Hex	85CCAF
RGB	133, 204, 175
RGB Percent	52%, 80%, 69%
CMY	0.4784, 0.2000, 0.3137
CMYK	0.35, 0.00, 0.14, 0.20
HSL	155°, 41%, 66%
HSV	155°, 35%, 80%
XYZ	39.0036, 51.2674, 48.3973
YIQ	179.4650, -33.0070, -24.0710

Conversions

Conversions Part 2

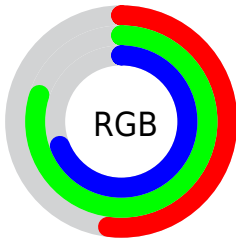
Format	Color
RYB	133, 178, 204
Decimal	8768687
CIELab	76.84, -28.62, 7.44
CIELCh	77, 29.569, 165.434
Yxy	51.2674, 0.2813, 0.3697
Android (android.graphics.Color)	4286958767 (0xFF85CCAF)
YUV	179.4650, -2.2012, -40.7498
Hunter-Lab	71.6013, -28.0673, 10.0451

Details

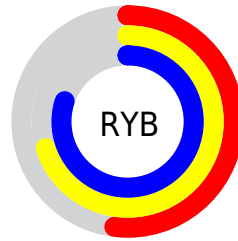
The XYZ color **39.0036, 51.2674, 48.3973** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.8127, 32.2224, 38.3057**, and the grayscale version is **43.1211, 45.3667, 49.4043**.

A 20% lighter version of the original color is **70.9228, 87.9809, 88.8453**, and **17.6309, 24.6304, 22.5638** is the 20% darker color. If you saturate the color by 10%, you get **35.2972, 49.4497, 44.0832**, and if you desaturate by 10%, it is **43.3889, 53.4320, 53.0091**.

Distribution



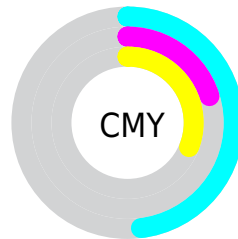
- Red (52%)
- Green (80%)
- Blue (69%)



- Red (52%)
- Yellow (70%)
- Blue (80%)



- Cyan (35%)
- Magenta (0%)
- Yellow (14%)
- Black (20%)





- Cyan (48%)
- Magenta (20%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.0036, 51.2674, 48.3973 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 39.0036, 51.2674, 48.3973 by changing the saturation by 10% instead.


 39.0036, 51.2674,
48.3973


 39.0036, 51.2674,
48.3973


333.1127,
391.6018, 396.9188


 26.9433, 36.4215,
33.7794

 72.9379, 92.0499,
89.1673

 17.6670, 24.7599,
22.4482


 95.5425, 118.7553,
116.1566

 10.8094, 15.8982,
13.9851


 122.3926,
150.1826, 148.1067

 6.0052, 9.4522,
7.9717

153.8535,
186.7162, 185.4361

 2.8889, 5.0373,
3.9893

190.2906,
228.7405, 228.5636

 1.0953, 2.2692,
1.6195

232.0693,

 0.0212, 0.7573,

276.6400, 277.9074

0.3047

279.5549,
330.7989, 333.8864

■ 0.0000, 0.0000,
0.0000

■ 39.0036, 51.2674,
48.3973

■ 39.0036, 51.2674,
48.3973

■ 35.2972, 49.4497,
44.0832

■ 43.3889, 53.4320,
53.0091

■ 32.2281, 47.9535,
40.0567

■ 48.4831, 55.9547,
57.9213

■ 29.7567, 46.7597,
36.3124


■ 54.3196, 58.8540,
63.1410


■ 27.8370, 45.8449,
32.8431


■ 60.9282, 62.1452,
68.6739


■ 26.4158, 45.1816,
29.6410


■ 68.3372, 65.8429,
74.5257


 25.4284, 44.7368,
26.6980

 76.4243, 69.8838,
80.6949

 25.0250, 44.5600,
25.2664

 77.5893, 70.3498,
86.8297

 78.8106, 70.8383,
93.2608

 80.0889, 71.3496,
99.9922

Harmonies

Analogous

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



41.4307, 51.2674, 36.8059



39.0036, 51.2674, 48.3973



39.0401, 51.2674, 64.4654

Triad

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



39.0036, 51.2674, 48.3973



51.6596, 51.2674, 91.2655



56.7077, 51.2674, 36.5555

Complementary

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



39.0036, 51.2674, 48.3973



39.8127, 32.2224, 38.3057

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.



59.8993, 51.2674, 47.9870



39.0036, 51.2674, 48.3973



56.8358, 51.2674, 80.4649

Square

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



39.0036, 51.2674, 48.3973



46.0617, 51.2674, 91.4339



59.9479, 51.2674, 63.9686



51.4955, 51.2674, 30.9150

Rectangle

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



39.0036, 51.2674, 48.3973



40.4464, 51.2674, 75.7456



59.9479, 51.2674, 63.9686



58.0695, 51.2674, 39.7389

Sweetspot

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



39.0050, 51.2695, 48.3985



84.6508, 94.8276, 99.8955



40.8472, 52.6240, 30.1957



17.8282, 20.1527, 21.1200



0.0000, 0.0000, 0.0000



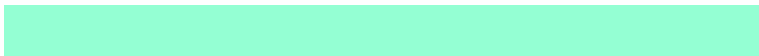
20.3446, 21.4041, 23.3091

Same Dimension

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



39.0050, 51.2695, 48.3985



59.7442, 82.5224, 74.5736



40.7868, 49.7745, 64.5869



11.3418, 12.6465, 13.3574



15.7976, 28.0643, 16.1509



0.8521, 1.4626, 1.0285

Inverse Universe

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



39.8127, 32.2224, 38.3057



61.2896, 46.1986, 55.3516



38.3576, 32.9732, 26.5339



11.3991, 11.2884, 12.6363



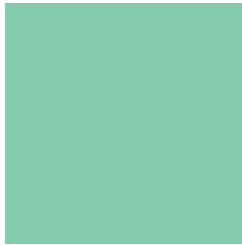
16.7079, 8.4938, 6.1805



0.8993, 0.4531, 0.5157

Previews

White Background



This preview shows how the XYZ color 39.0036, 51.2674, 48.3973 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 39.0036, 51.2674, 48.3973 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 39.0036, 51.2674, 48.3973

Background



This preview shows how black text looks on a background with the XYZ color 39.0036, 51.2674, 48.3973.

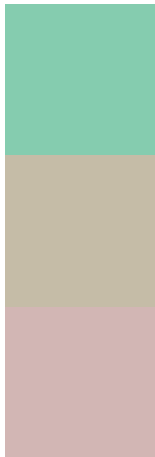


This preview shows how white text looks on a background with the XYZ color 39.0036, 51.2674,

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

39.0036, 51.2674, 48.3973

Protanopia

47.9842, 50.6268, 43.8021

Deuteranopia

51.5445, 50.4528, 50.2017



Tritanopia

43.4870, 50.9940, 71.1691

Trichromacy



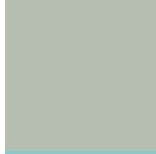
Original Color

39.0036, 51.2674, 48.3973



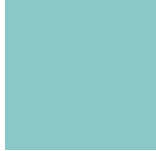
Protanomaly

44.0030, 50.4845, 45.4555



Deuteranomaly

45.7407, 49.9863, 49.3570



Tritanomaly

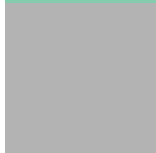
41.7271, 50.9677, 62.2821

Monochromacy



Original Color

39.0036, 51.2674, 48.3973



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

40.9194, 46.8622, 49.0081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0036, 51.2674, 48.3973 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(133, 204, 175)` looks like.

```
.text, #text, p{  
    color:rgb(133, 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(133, 204, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 204, 175) }
```

Border

The CSS property to change the border of an element to XYZ 39.0036, 51.2674, 48.3973 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(133, 204, 175) }
```


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

```
.border{ border-color:rgb(133, 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(133, 204, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 204, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 204, 175);  
box-shadow:4px 4px 4px 4px rgb(133, 204,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 39.0036, 51.2674, 48.3973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 204, 175) }
```

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

```
.background{ background-color: rgb(133,  
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](#).

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