

Converting Colors

XYZ(39.7147, 48.9778, 40.7529)

Have a look what the booklet for
XYZ(39.7147, 48.9778, 40.7529)
contains.

XYZ(39.7954, 49.0858, 40.6348)	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(39.7954, 49.0858,
40.6348)**

Conversions

Conversions Part 1

Format	Color
Hex	9CC4A0
RGB	156, 196, 160
RGB Percent	61%, 77%, 63%
CMY	0.3882, 0.2314, 0.3725
CMYK	0.20, 0.00, 0.18, 0.23
HSL	126°, 25%, 69%
HSV	126°, 20%, 77%
XYZ	39.7954, 49.0858, 40.6348
YIQ	179.9360, -12.2840, -19.6760

Conversions

Conversions Part 2

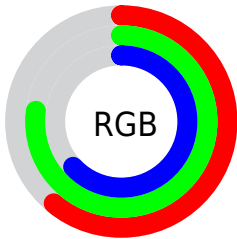
Format	Color
RYB	156, 192, 196
Decimal	10273952
CIELab	75.50, -20.36, 13.77
CIELCh	76, 24.583, 145.925
Yxy	49.0858, 0.3073, 0.3790
Android (android.graphics.Color)	4288464032 (0xFF9CC4A0)
YUV	179.9360, -9.8284, -20.9919
Hunter-Lab	70.0613, -21.2177, 14.6553

Details

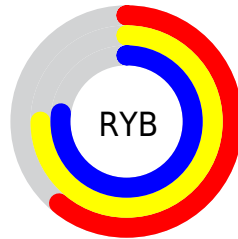
The XYZ color **39.7954, 49.0858, 40.6348** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.1695, 39.3196, 55.1328**, and the grayscale version is **43.4049, 45.6654, 49.7296**.

A 20% lighter version of the original color is **74.2550, 89.0057, 77.5562**, and **18.0887, 23.3718, 17.7452** is the 20% darker color. If you saturate the color by 10%, you get **34.8691, 46.7134, 32.9125**, and if you desaturate by 10%, it is **45.5554, 51.8654, 49.5413**.

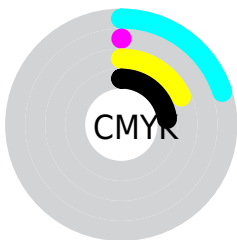
Distribution



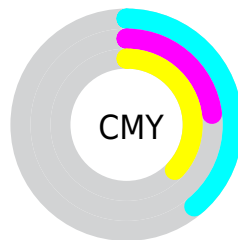
- Red (61%)
- Green (77%)
- Blue (63%)



- Red (61%)
- Yellow (75%)
- Blue (77%)



- Cyan (20%)
- Magenta (0%)
- Yellow (18%)
- Black (23%)



- Cyan (39%)
- Magenta (23%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7954, 49.0858, 40.6348 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 39.7954, 49.0858, 40.6348 by changing the saturation by 10% instead.

■ 39.7954, 49.0858,
40.6348

■ 39.7954, 49.0858,
40.6348

336.4097,
383.0800, 364.4233

■ 27.5626, 34.6875,
27.7163

■ 74.1382, 88.8189,
77.3768

■ 18.1349, 23.4223,
17.8747

■ 96.9788, 114.9225,
102.0374

■ 11.1472, 14.9056,
10.6916

124.0861,
145.6967, 131.4491

■ 6.2339, 8.7532,
5.7483

155.8254,
181.5258, 166.0305

■ 3.0299, 4.5805,
2.6263

192.5621,
222.7943, 206.2001

■ 1.1696, 2.0033,
0.9060

234.6614,

■ 0.0821, 0.6094,

269.8866, 252.3764

0.0000

282.4888,
323.1870, 304.9779

■ 0.0000, 0.0000,
0.0000

■ 39.7954, 49.0858,
40.6348

■ 39.7954, 49.0858,
40.6348

■ 34.8691, 46.7134,
32.9125

■ 45.5554, 51.8654,
49.5413

■ 30.7341, 44.7234,
26.3214

■ 52.1811, 55.0637,
59.6754

■ 27.3501, 43.0973,
20.8093

■ 59.7077, 58.6991,
71.0824

■ 24.6718, 41.8132,
16.3189

■ 68.1671, 62.7873,
83.8044

■ 22.6489, 40.8465,
12.7872

■ 77.5900, 67.3431,
97.8815

■ 21.2246, 40.1692,
10.1445

■ 79.0309, 67.9617,
103.5603

■ 20.3319, 39.7487,
8.3116

■ 19.8636, 39.5308,
7.2266

Harmonies

Analogous

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



42.9436, 49.0858, 33.9783



39.7954, 49.0858, 40.6348



38.4828, 49.0858, 51.6903

Triad

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



39.7954, 49.0858, 40.6348



46.0374, 49.0858, 82.4406



54.9483, 49.0858, 43.2505

Complementary

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



39.7954, 49.0858, 40.6348



44.1695, 39.3196, 55.1328

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.



55.9083, 49.0858, 55.2412



39.7954, 49.0858, 40.6348



50.5734, 49.0858, 79.2115

Square

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



39.7954, 49.0858, 40.6348



41.9357, 49.0858, 76.9261



54.2598, 49.0858, 68.7014



51.7149, 49.0858, 35.3079

Rectangle

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



39.7954, 49.0858, 40.6348



38.7585, 49.0858, 60.5984



54.2598, 49.0858, 68.7014



55.5562, 49.0858, 46.8799

Sweetspot

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



39.7967, 49.0879, 40.6359



87.5050, 96.3574, 97.3862



47.4809, 53.0890, 39.1978



18.5616, 20.5433, 20.5873



0.0000, 0.0000, 0.0000



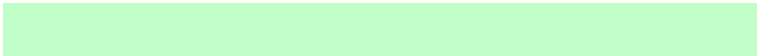
20.3446, 21.4041, 23.3091

Same Dimension

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



39.7967, 49.0879, 40.6359



68.3728, 87.1293, 67.8087



41.6899, 49.8452, 50.6054



9.9845, 11.2748, 10.9215



12.7778, 25.4052, 4.7230



0.5662, 1.1033, 0.2783

Inverse Universe

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



44.1695, 39.3196, 55.1328



77.5674, 66.5867, 98.2886



42.1013, 38.4923, 44.2417



10.4525, 10.2296, 12.4733



19.7064, 9.5723, 27.4294



0.8643, 0.4187, 1.2525

Previews

White Background



This preview shows how the XYZ color 39.7954, 49.0858, 40.6348 looks on a white background.

Color Contrast Check

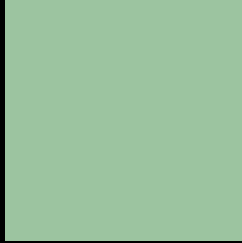
Large Text (above 18pt) WCAG AA × Fail

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 39.7954, 49.0858, 40.6348 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

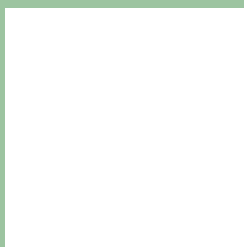
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.7954, 49.0858, 40.6348

Background



This preview shows how black text looks on a background with the XYZ color 39.7954, 49.0858, 40.6348.



This preview shows how white text looks on a background with the XYZ color 39.7954, 49.0858,

40.6348.

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

39.7954, 49.0858, 40.6348

Protanopia

46.0303, 48.8002, 38.0037

Deuteranopia

49.6849, 48.7694, 41.9167



Tritanopia

44.7427, 49.1272, 64.8819

Trichromacy



Original Color

39.7954, 49.0858, 40.6348

Protanomaly

43.3395, 48.6533, 39.0051

Deuteranomaly

45.4457, 48.4186, 41.6008

Tritanomaly

42.7329, 48.9505, 55.3402

Monochromacy



Original Color

39.7954, 49.0858, 40.6348

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

41.8963, 46.7929, 46.3589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7954, 49.0858, 40.6348 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, 196, 160)` looks like.

```
.text, #text, p{  
    color:rgb(156, 196, 160)  
}
```

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, 196, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 196, 160) }
```

Border

The CSS property to change the border of an element to XYZ 39.7954, 49.0858, 40.6348 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, 196, 160) }
```


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

```
.border{ border-color:rgb(156, 196, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 196, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 196, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 196, 160);  
box-shadow:4px 4px 4px 4px rgb(156, 196,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7954, 49.0858, 40.6348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 196, 160) }
```

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

```
.background{ background-color: rgb(156,  
196, 160) }
```

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