

Converting Colors

CIELCh(39, 4.950, 52.715)

Have a look what the booklet for
CIELCh(39, 4.950, 52.715) contains.

CIELCh(39, 5.000, 48.974)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(39, 5.000, 48.974)

Conversions

Conversions Part 1

Format	Color
Hex	645A56
RGB	100, 90, 86
RGB Percent	39%, 35%, 34%
CMY	0.6084, 0.6476, 0.6633
CMYK	0.00, 0.10, 0.14, 0.61
HSL	17°, 8%, 36%
HSV	17°, 14%, 39%
XYZ	10.5576, 10.6589, 10.2752
YIQ	92.5340, 7.2440, 0.8760

Conversions

Conversions Part 2

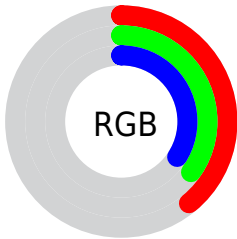
Format	Color
R _Y B	100, 92, 86
Decimal	6576726
CIE Lab	39.00, 3.28, 3.77
CIE LCh	39, 5.000, 48.974
Yxy	10.6589, 0.3353, 0.3385
Android (android.graphics.Color)	4284766806 (0xFF645A56)
YUV	92.5340, -3.2213, 6.5477
Hunter-Lab	32.6480, 0.5887, 4.1935

Details

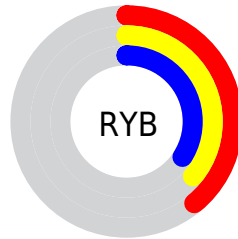
The CIELCh color $[39, 5.000, 48.974]$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $[40, 4.641, 230.821]$, and the grayscale version is $[39, 0.006, 296.813]$.

A 20% lighter version of the original color is $[59, 4.935, 46.879]$, and $[19, 4.938, 44.635]$ is the 20% darker color. If you saturate the color by 10%, you get $[37, 8.884, 48.545]$, and if you desaturate by 10%, it is $[41, 1.381, 49.361]$.

Distribution



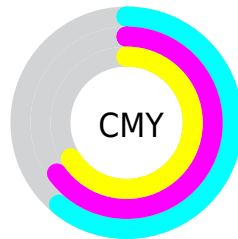
- Red (39%)
- Green (35%)
- Blue (34%)



- Red (39%)
- Yellow (36%)
- Blue (34%)



- Cyan (0%)
- Magenta (10%)
- Yellow (14%)
- Black (61%)



- Cyan (61%)
- Magenta (65%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 5.000, 48.974 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 CIELCh color 39, 5.000, 48.974 by changing the saturation by 10% instead.

■ 39, 5.000, 48.974 ■ 39, 5.000, 48.974

■ 100, 5.000, 48.974 ■ 29, 5.000, 48.974

■ 59, 5.000, 48.974 ■ 19, 5.000, 48.974

■ 69, 5.000, 48.974 ■ 9, 5.000, 48.974

■ 79, 5.000, 48.974 ■ 0, 5.000, 48.974

■ 89, 5.000, 48.974

■ 99, 5.000, 48.974

■ 39, 5.000, 48.974 ■ 39, 5.000, 48.974

■ 37, 8.884, 48.545 ■ 41, 1.381, 49.361

■ 34, 13.058, 48.162 ■ 44, 1.995, 230.314

32, 17.535, 47.871

46, 5.156, 230.822

30, 22.319, 47.691

49, 8.124, 231.420

28, 27.386, 47.630

51, 10.922,
232.037

26, 32.661, 47.664

53, 13.571,
232.660

24, 37.972, 47.700

23, 42.495, 46.966

56, 16.087,
233.279

22, 44.946, 46.575

58, 18.486,
233.890

61, 20.783,
234.490

Harmonies

Complementary

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



39, 5.000, 48.974



40, 4.641, 230.821

Rectangle

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



39, 5.000, 48.974



39, 5.000, 98.974



39, 5.000, 228.974



39, 5.000, 278.974

Sweetspot

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



39, 5.000, 48.991



53, 1.710, 49.360



38, 8.537, 334.486



27, 1.228, 49.356



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



39, 5.000, 48.991



49, 7.631, 48.831



41, 6.745, 97.858



20, 2.001, 49.217



26, 50.957, 47.114



55, 92.208, 46.226

Inverse Universe

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



40, 4.641, 230.821



51, 6.941, 231.098



38, 6.834, 281.029



20, 1.912, 230.477



32, 26.143, 251.124



67, 46.433, 254.366

Previews

White Background



This preview shows how the CIELCh color 39, 5.000, 48.974 looks on a white background.

Color Contrast Check

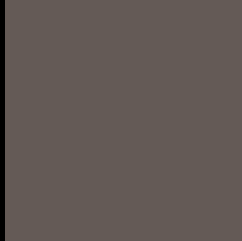
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 39, 5.000, 48.974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

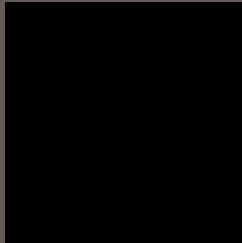
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 5.000, 48.974

Background



This preview shows how black text looks on a background with the CIELCh color 39, 5.000, 48.974.



This preview shows how white text looks on a background with the CIELCh color 39, 5.000, 48.974.

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, 5.000, 48.974

Protanopia

39, 3.301, 86.620

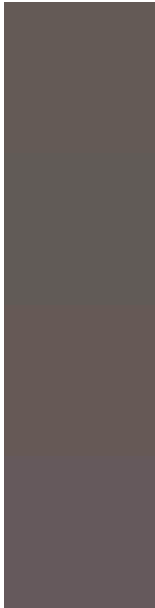
Deuteranopia

39, 6.410, 36.660



Tritanopia
39, 6.980, 342.583

Trichromacy



Original Color

39, 5.000, 48.974

Protanomaly

39, 3.554, 62.848

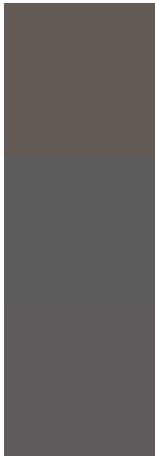
Deuteranomaly

39, 5.982, 37.830

Tritanomaly

39, 5.450, 0.536

Monochromacy



Original Color

39, 5.000, 48.974

Achromatopsia

39, 0.006, 296.813

Achromatomaly

39, 1.805, 39.203

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 5.000, 48.974 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(100, 90, 86)` looks like.

```
.text, #text, p{  
    color:rgb(100, 90, 86)  
}
```

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(100, 90, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 90, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 5.000, 48.974 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(100, 90, 86) }
```

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

```
.border{ border-color:rgb(100, 90, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 90, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 90, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 90, 86);  
box-shadow:4px 4px 4px 4px rgb(100, 90,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 5.000, 48.974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 90, 86) }
```

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

```
.background{ background-color: rgb(100, 90,  
86) }
```

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