

Converting Colors

CIELCh(48, 39.591, 3.727)

Have a look what the booklet for
CIELCh(48, 39.591, 3.727) contains.

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Color

CIELCh(48, 39.551, 3.669)

Conversions

Conversions Part 1

Format	Color
Hex	AF556F
RGB	175, 85, 111
RGB Percent	69%, 33%, 44%
CMY	0.3132, 0.6662, 0.5643
CMYK	0.00, 0.51, 0.37, 0.31
HSL	343°, 36%, 51%
HSV	343°, 51%, 69%
XYZ	23.8414, 16.7945, 17.0567
YIQ	114.8740, 45.2940, 27.1660

Conversions

Conversions Part 2

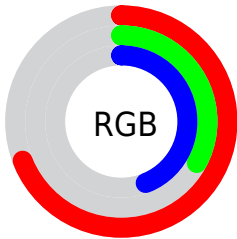
Format	Color
RYB	175, 85, 111
Decimal	11490671
CIELab	48.00, 39.47, 2.53
CIElCh	48, 39.551, 3.669
Yxy	16.7945, 0.4132, 0.2911
Android (android.graphics.Color)	4289680751 (0xFFAF556F)
YUV	114.8740, -1.9099, 52.7305
Hunter-Lab	40.9810, 32.1287, 4.0097

Details

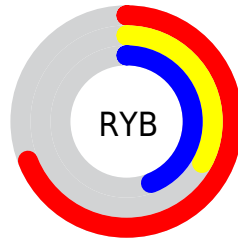
The CIELCh color $48, 39.551, 3.669$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $66, 33.739, 171.258$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 39.707, 3.182$, and $28, 39.433, 3.188$ is the 20% darker color. If you saturate the color by 10%, you get $44, 46.892, 6.034$, and if you desaturate by 10%, it is $52, 31.764, 1.772$.

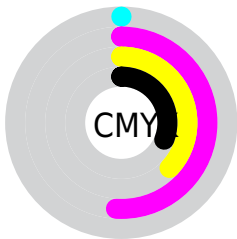
Distribution



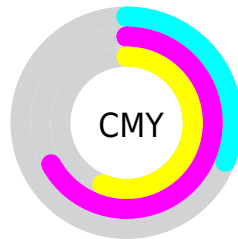
- Red (69%)
- Green (33%)
- Blue (44%)



- Red (69%)
- Yellow (33%)
- Blue (44%)



- Cyan (0%)
- Magenta (51%)
- Yellow (37%)
- Black (31%)



- Cyan (31%)
- Magenta (67%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 39.551, 3.669 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 48, 39.551, 3.669 by changing the saturation by 10% instead.

 48, 39.551, 3.669  48, 39.551, 3.669

 100, 39.551, 3.669  38, 39.551, 3.669

 68, 39.551, 3.669  28, 39.551, 3.669

 78, 39.551, 3.669  18, 39.551, 3.669

 88, 39.551, 3.669  8, 39.551, 3.669

 98, 39.551, 3.669  0, 39.551, 3.669

 48, 39.551, 3.669  48, 39.551, 3.669

 44, 46.892, 6.034  52, 31.764, 1.772

 41, 53.452, 9.012  56, 23.838, 0.214

 39, 58.934, 12.772  61, 15.988,

■ 38, 63.244, 17.422

358.907

■ 37, 66.429, 21.873

■ 66, 8.351, 357.776

■ 71, 1.004, 356.435

■ 76, 6.021, 176.098

■ 81, 12.719,
175.309

■ 86, 19.102,
174.623

■ 91, 25.189,
174.006

Harmonies

Complementary

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



48, 39.551, 3.669



66, 33.739, 171.258

Rectangle

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



48, 39.551, 3.669



48, 39.551, 53.669



48, 39.551, 183.669



48, 39.551, 233.669

Sweetspot

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



48, 39.548, 3.671



81, 13.679, 358.197



47, 56.209, 317.840



42, 9.446, 358.430



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



48, 39.548, 3.671



57, 58.324, 6.484



51, 35.151, 39.894



34, 4.098, 357.552



31, 59.152, 21.108



2, 8.281, 0.577

Inverse Universe

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



48, 39.548, 3.671



57, 58.324, 6.484



61, 23.918, 223.012



34, 4.098, 357.552



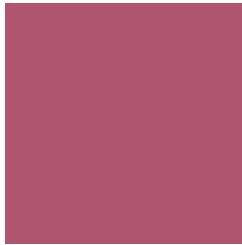
31, 59.152, 21.108



2, 8.281, 0.577

Previews

White Background



This preview shows how the CIELCh color 48, 39.551, 3.669 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 48, 39.551, 3.669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

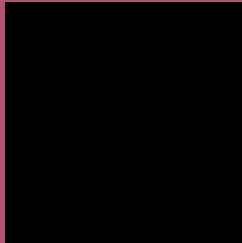
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 39.551, 3.669

Background



This preview shows how black text looks on a background with the CIELCh color 48, 39.551, 3.669.



This preview shows how white text looks on a background with the CIELCh color 48, 39.551, 3.669.

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

48, 39.551, 3.669

Protanopia

48, 8.251, 288.605

Deuteranopia

48, 7.560, 38.150



Tritanopia
48, 37.842, 19.795

Trichromacy



Original Color
48, 39.551, 3.669

Protanomaly
47, 17.381, 341.701

Deuteranomaly
48, 18.566, 11.027

Tritanomaly
48, 37.891, 13.914

Monochromacy



Original Color
48, 39.551, 3.669

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 14.874, 358.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 39.551, 3.669 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(175, 85, 111)` looks like.

```
.text, #text, p{  
    color:rgb(175, 85, 111)  
}
```

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(175, 85, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 85, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 39.551, 3.669 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(175, 85, 111) }
```

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

```
.border{ border-color:rgb(175, 85, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 85, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 85, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 85, 111); box-shadow:4px 4px 4px 4px rgb(175, 85, 111) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 39.551, 3.669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 85, 111) }
```

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

```
.background{ background-color: rgb(175, 85,  
111) }
```

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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