

Converting Colors

CIELCh(48, 39.531, 342.727)

Have a look what the booklet for
CIELCh(48, 39.531, 342.727)
contains.

CIELCh(48, 39.687, 342.195)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(48, 39.687, 342.195)

Conversions

Conversions Part 1

Format	Color
Hex	A55887
RGB	165, 88, 135
RGB Percent	65%, 35%, 53%
CMY	0.3520, 0.6540, 0.4697
CMYK	0.00, 0.47, 0.18, 0.35
HSL	323°, 30%, 50%
HSV	323°, 47%, 65%
XYZ	23.4615, 16.7945, 25.0074
YIQ	116.3810, 30.8050, 30.9410

Conversions

Conversions Part 2

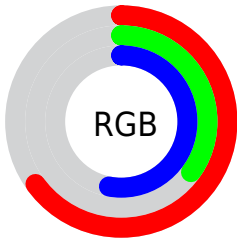
Format	Color
R_{YB}	165, 88, 135
Decimal	10836103
CIE _{Lab}	48.00, 37.79, -12.14
CIE _{LCh}	48, 39.687, 342.195
Yxy	16.7945, 0.3595, 0.2573
Android (android.graphics.Color)	4289026183 (0xFFA55887)
YUV	116.3810, 9.1792, 42.6389
Hunter-Lab	40.9810, 30.4740, -7.4931

Details

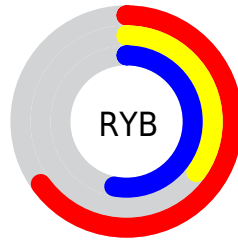
The CIELCh color $48, 39.687, 342.195$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $62, 38.738, 153.733$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 39.703, 342.546$, and $28, 39.567, 342.379$ is the 20% darker color. If you saturate the color by 10%, you get $45, 47.242, 343.369$, and if you desaturate by 10%, it is $52, 31.457, 341.164$.

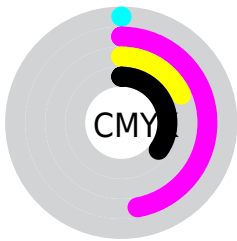
Distribution



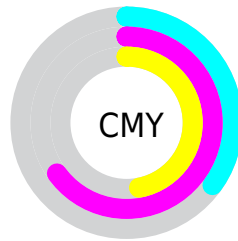
- Red (65%)
- Green (35%)
- Blue (53%)



- Red (65%)
- Yellow (35%)
- Blue (53%)



- Cyan (0%)
- Magenta (47%)
- Yellow (18%)
- Black (35%)




- Cyan (35%)
- Magenta (65%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 39.687, 342.195 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, 39.687, 342.195 by changing the saturation by 10% instead.


 48, 39.687,
342.195


 48, 39.687,
342.195


 100, 39.687,
342.195


 38, 39.687,
342.195

 68, 39.687,
342.195


 28, 39.687,
342.195

 78, 39.687,
342.195

 18, 39.687,
342.195

 88, 39.687,
342.195

 8, 39.687, 342.195

 98, 39.687,
342.195

 0, 39.687, 342.195

 48, 39.687,

 48, 39.687,

342.195

45, 47.242,
343.369

42, 53.728,
344.737

39, 58.721,
346.375

37, 61.894,
348.385

36, 63.228,
350.860

36, 63.549,
351.744

342.195

52, 31.457,
341.164

56, 22.888,
340.236

60, 14.219,
339.387

65, 5.611, 338.580

69, 2.834, 158.034

74, 11.057,
157.285

79, 19.031,
156.652

83, 26.749,
156.068

 88, 34.212,
155.522

Harmonies

Complementary

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



48, 39.687, 342.195



62, 38.738, 153.733

Rectangle

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



48, 39.687, 342.195



48, 39.687, 32.195



48, 39.687, 162.195



48, 39.687, 212.195

Sweetspot

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



48, 39.685, 342.196



78, 14.777, 339.196



44, 47.144, 307.758



40, 10.200, 339.363



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



48, 39.685, 342.196



57, 57.662, 343.421



47, 33.760, 15.649



32, 4.765, 338.795



31, 57.958, 351.399



1, 7.062, 340.858

Inverse Universe

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



48, 39.685, 342.196



57, 57.662, 343.421



63, 26.202, 186.002



32, 4.765, 338.795



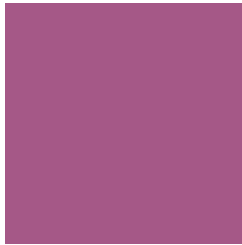
31, 57.958, 351.399



1, 7.062, 340.858

Previews

White Background



This preview shows how the CIELCh color 48, 39.687, 342.195 looks on a white background.

Color Contrast Check

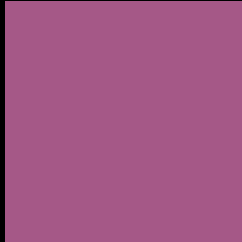
Large Text (above 18pt) WCAG AA ✓ Pass

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, 39.687, 342.195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

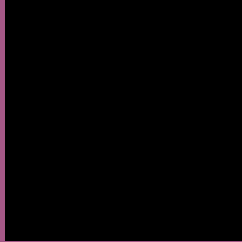
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 39.687, 342.195

Background



This preview shows how black text looks on a background with the CIELCh color 48, 39.687, 342.195.



This preview shows how white text looks on a background with the CIELCh color 48, 39.687, 342.195.

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, 39.687, 342.195

Protanopia

48, 23.699, 284.990

Deuteranopia

48, 11.481, 303.222



Tritanopia
48, 29.176, 15.575

Trichromacy



Original Color
48, 39.687, 342.195

Protanomaly
48, 26.779, 310.832

Deuteranomaly
48, 21.653, 327.452

Tritanomaly
48, 31.204, 1.185

Monochromacy



Original Color
48, 39.687, 342.195

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 15.055, 339.850

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 39.687, 342.195 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(165, 88, 135)` looks like.

```
.text, #text, p{  
    color:rgb(165, 88, 135)  
}
```

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(165, 88, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 88, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 39.687, 342.195 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(165, 88, 135) }
```

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

```
.border{ border-color:rgb(165, 88, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 88, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 88, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 88, 135);  
box-shadow:4px 4px 4px 4px rgb(165, 88,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 39.687, 342.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 88, 135) }
```

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

```
.background{ background-color: rgb(165, 88,  
135) }
```

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