

Converting Colors

CIELCh(48, 48.853, 339.540)

Have a look what the booklet for
CIELCh(48, 48.853, 339.540)
contains.

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Color

CIELCh(48, 48.853, 339.540)

Conversions

Conversions Part 1

Format	Color
Hex	AE5190
RGB	174, 81, 144
RGB Percent	68%, 32%, 56%
CMY	0.3191, 0.6837, 0.4366
CMYK	0.00, 0.54, 0.17, 0.32
HSL	319°, 37%, 50%
HSV	319°, 54%, 68%
XYZ	25.2995, 16.7945, 28.1578
YIQ	115.9890, 35.2050, 39.3090

Conversions

Conversions Part 2

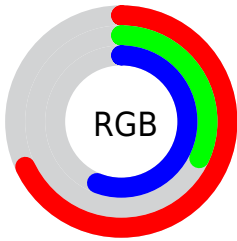
Format	Color
R_{YB}	174, 81, 144
Decimal	11424144
CIE _{Lab}	48.00, 45.77, -17.08
CIE _{LCh}	48, 48.853, 339.540
Yxy	16.7945, 0.3601, 0.2391
Android (android.graphics.Color)	4289614224 (0xFFAE5190)
YUV	115.9890, 13.8094, 50.8756
Hunter-Lab	40.9810, 38.4793, -12.0510

Details

The CIELCh color $48, 48.853, 339.540$ is a dark color, and the websafe version is hex `CC6699`. A complement of this color would be $64, 48.404, 150.032$, and the grayscale version is $49, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 48.682, 339.346$, and $28, 48.733, 339.837$ is the 20% darker color. If you saturate the color by 10%, you get $45, 56.191, 340.625$, and if you desaturate by 10%, it is $52, 40.454, 338.575$.

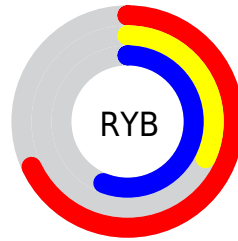
Distribution



Red (68%)

Green (32%)

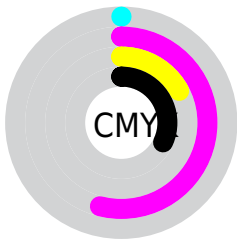
Blue (56%)



Red (68%)

Yellow (32%)

Blue (56%)

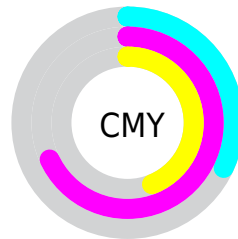


Cyan (0%)

Magenta (54%)

Yellow (17%)

Black (32%)



Cyan (32%)


Magenta (68%)

Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 48.853, 339.540 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, 48.853, 339.540 by changing the saturation by 10% instead.

 48, 48.853,
339.540


 48, 48.853,
339.540


 100, 48.853,
339.540

 38, 48.853,
339.540

 68, 48.853,
339.540


 28, 48.853,
339.540

 78, 48.853,
339.540

 18, 48.853,
339.540

 88, 48.853,
339.540

 8, 48.853, 339.540

 98, 48.853,
339.540

 0, 48.853, 339.540

 48, 48.853,

 48, 48.853,

339.540

339.540

45, 56.191,
340.625

52, 40.454,
338.575

42, 62.026,
341.876

56, 31.414,
337.697

40, 65.965,
343.360

60, 22.059,
336.886

39, 67.818,
345.161

65, 12.628,
336.125

38, 68.306,
346.459

69, 3.279, 335.352

74, 5.888, 154.840

79, 14.816,
154.188

84, 23.479,
153.598

■ 89, 31.870,
153.047

Harmonies

Complementary

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



48, 48.853, 339.540



64, 48.404, 150.032

Rectangle

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



48, 48.853, 339.540



48, 48.853, 29.540



48, 48.853, 159.540



48, 48.853, 209.540

Sweetspot

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



48, 48.850, 339.540



81, 18.581, 336.330



42, 56.615, 306.338



42, 12.660, 336.482



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, 48.850, 339.540



58, 69.915, 340.813



47, 40.578, 12.135



34, 5.256, 335.810



33, 61.604, 346.180



2, 10.312, 339.329

Inverse Universe

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



48, 48.850, 339.540



58, 69.915, 340.813



65, 31.827, 179.348



34, 5.256, 335.810



33, 61.604, 346.180



2, 10.312, 339.329

Previews

White Background



This preview shows how the CIELCh color 48, 48.853, 339.540 looks on a white background.

Color Contrast Check

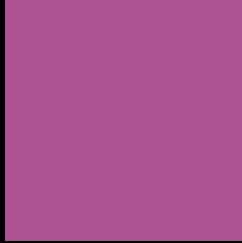
Large Text (above 18pt) WCAG AA ✓ Pass

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, 48.853, 339.540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

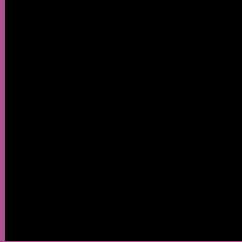
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 48, 48.853, 339.540

Background



This preview shows how black text looks on a background with the CIELCh color 48, 48.853, 339.540.

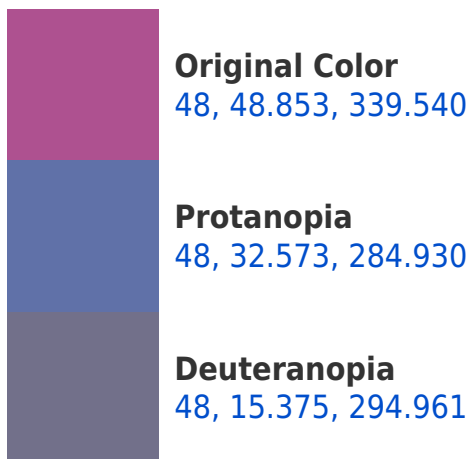


This preview shows how white text looks on a background with the CIELCh color 48, 48.853, 339.540.

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





Tritanopia
48, 34.133, 17.610

Trichromacy



Original Color
48, 48.853, 339.540

Protanomaly
47, 35.370, 307.467

Deuteranomaly
48, 26.592, 322.939

Tritanomaly
48, 37.504, 359.936

Monochromacy



Original Color
48, 48.853, 339.540

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 19.151, 336.997

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 48.853, 339.540 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(174, 81, 144)` looks like.

```
.text, #text, p{  
    color:rgb(174, 81, 144)  
}
```

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(174, 81, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 81, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 48.853, 339.540 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(174, 81, 144) }
```

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

```
.border{ border-color:rgb(174, 81, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 81, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 81, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 81, 144);  
box-shadow:4px 4px 4px 4px rgb(174, 81,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 48.853, 339.540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 81, 144) }
```

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

```
.background{ background-color: rgb(174, 81,  
144) }
```

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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