

Converting Colors

CIELCh(48, 69.902, 319.121)

Have a look what the booklet for
CIELCh(48, 69.902, 319.121)
contains.

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Color

CIELCh(48, 70.035, 319.302)

Conversions

Conversions Part 1

Format	Color
Hex	A24DC0
RGB	162, 77, 192
RGB Percent	64%, 30%, 75%
CMY	0.3647, 0.6980, 0.2471
CMYK	0.16, 0.60, 0.00, 0.25
HSL	284°, 48%, 53%
HSV	284°, 60%, 75%
XYZ	27.0680, 16.7945, 51.6833
YIQ	115.5250, 13.7450, 53.7850

Conversions

Conversions Part 2

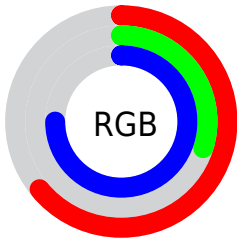
Format	Color
R_{YB}	162, 77, 192
Decimal	10636736
CIE _{Lab}	48.00, 53.10, -45.67
CIE _{LCh}	48, 70.035, 319.302
Yxy	16.7945, 0.2833, 0.1758
Android (android.graphics.Color)	4288826816 (0xFFA24DC0)
YUV	115.5250, 37.7022, 40.7586
Hunter-Lab	40.9810, 46.1825, -46.0869

Details

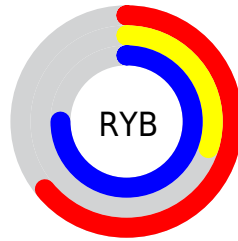
The CIELCh color **48, 70.035, 319.302** is a dark color, and the websafe version is hex **993399**. The color can be described as middle muted purple. A complement of this color would be **70, 67.826, 133.760**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 70.149, 319.247**, and **28, 70.227, 319.287** is the 20% darker color. If you saturate the color by 10%, you get **44, 79.651, 319.451**, and if you desaturate by 10%, it is **52, 59.158, 319.020**.

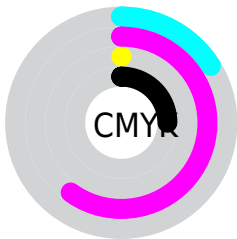
Distribution



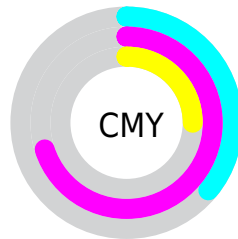
- Red (64%)
- Green (30%)
- Blue (75%)



- Red (64%)
- Yellow (30%)
- Blue (75%)



- Cyan (16%)
- Magenta (60%)
- Yellow (0%)
- Black (25%)





- Cyan (36%)
- Magenta (70%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 70.035, 319.302 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, 70.035, 319.302 by changing the saturation by 10% instead.


 48, 70.035,
319.302


 48, 70.035,
319.302


 100, 70.035,
319.302


 38, 70.035,
319.302

 68, 70.035,
319.302


 28, 70.035,
319.302

 78, 70.035,
319.302

 18, 70.035,
319.302

 88, 70.035,
319.302

 8, 70.035, 319.302

 98, 70.035,
319.302


 0, 70.035, 319.302


 48, 70.035,


 48, 70.035,


319.302

 44, 79.651,
319.451


 41, 87.424,
319.411

 39, 92.836,
319.127


 37, 96.039,
318.612


 37, 96.070,
318.606


319.302


 52, 59.158,
319.020


 57, 47.541,
318.652

 62, 35.575,
318.237


 67, 23.536,
317.801

 72, 11.603,
317.360

 78, 0.113, 138.598

 83, 11.551,
136.574

 89, 22.678,
136.194

 94, 33.483,
135.849

Harmonies

Complementary

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



48, 70.035, 319.302



70, 67.826, 133.760

Rectangle

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



48, 70.035, 319.302



48, 70.035, 9.302



48, 70.035, 139.302



48, 70.035, 189.302

Sweetspot

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



48, 70.033, 319.302



86, 26.344, 317.730



47, 49.976, 287.409



44, 18.343, 317.859



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



48, 70.033, 319.302



56, 100.475, 319.462



51, 61.593, 336.010



38, 6.695, 317.337



31, 84.136, 318.720



3, 21.489, 314.812

Inverse Universe

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



49, 49.260, 7.889



58, 71.665, 12.040



70, 62.171, 145.868



38, 4.436, 359.552



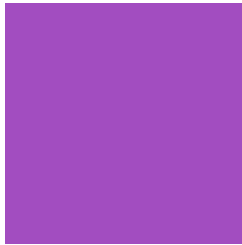
33, 63.085, 23.888



3, 14.473, 5.463

Previews

White Background



This preview shows how the CIELCh color 48, 70.035, 319.302 looks on a white background.

Color Contrast Check

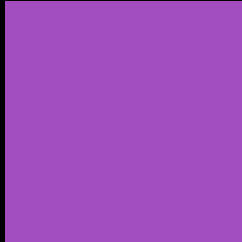
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 48, 70.035, 319.302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

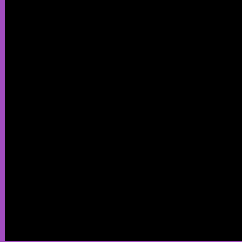
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 70.035, 319.302

Background



This preview shows how black text looks on a background with the CIELCh color 48, 70.035, 319.302.



This preview shows how white text looks on a background with the CIELCh color 48, 70.035, 319.302.

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, 70.035, 319.302

Protanopia

48, 67.658, 287.706

Deuteranopia

48, 42.003, 279.624



Tritanopia
48, 21.698, 9.999

Trichromacy



Original Color
48, 70.035, 319.302

Protanomaly
46, 67.720, 296.081

Deuteranomaly
47, 51.446, 297.896

Tritanomaly
47, 35.938, 334.755

Monochromacy



Original Color
48, 70.035, 319.302

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 27.428, 318.145

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 70.035, 319.302 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(162, 77, 192)` looks like.

```
.text, #text, p{  
    color:rgb(162, 77, 192)  
}
```

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(162, 77, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 77, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 70.035, 319.302 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(162, 77, 192) }
```

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

```
.border{ border-color:rgb(162, 77, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 77, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 77, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 77, 192);  
box-shadow:4px 4px 4px 4px rgb(162, 77,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 70.035, 319.302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 77, 192) }
```

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

```
.background{ background-color: rgb(162, 77,  
192) }
```

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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