

Converting Colors

CIELCh(49, 68.882, 327.409)

Have a look what the booklet for
CIELCh(49, 68.882, 327.409)
contains.

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Color

CIELCh(49, 68.956, 327.440)

Conversions

Conversions Part 1

Format	Color
Hex	B447B4
RGB	180, 71, 180
RGB Percent	71%, 28%, 71%
CMY	0.2929, 0.7204, 0.2929
CMYK	0.00, 0.60, 0.00, 0.29
HSL	300°, 43%, 49%
HSV	300°, 60%, 71%
XYZ	29.4373, 17.5941, 45.1857
YIQ	116.0170, 29.9750, 57.0070

Conversions

Conversions Part 2

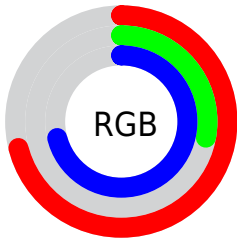
Format	Color
R_{YB}	180, 71, 180
Decimal	11814836
CIE _{Lab}	49.00, 58.12, -37.11
CIE _{LCh}	49, 68.956, 327.440
Yxy	17.5941, 0.3192, 0.1908
Android (android.graphics.Color)	4290004916 (0xFFB447B4)
YUV	116.0170, 31.5436, 56.1131
Hunter-Lab	41.9453, 51.8675, -34.5086

Details

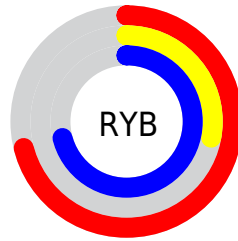
The CIELCh color **49, 68.956, 327.440** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **65, 69.690, 139.249**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 68.779, 327.440**, and **29, 69.005, 327.330** is the 20% darker color. If you saturate the color by 10%, you get **46, 77.067, 327.767**, and if you desaturate by 10%, it is **52, 59.219, 327.039**.

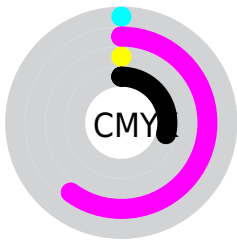
Distribution



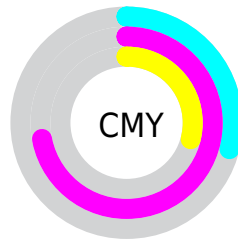
- Red (71%)
- Green (28%)
- Blue (71%)



- Red (71%)
- Yellow (28%)
- Blue (71%)



- Cyan (0%)
- Magenta (60%)
- Yellow (0%)
- Black (29%)



- Cyan (29%)
- Magenta (72%)
- Yellow (29%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 68.956, 327.440 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 49, 68.956, 327.440 by changing the saturation by 10% instead.

 49, 68.956,
327.440

 49, 68.956,
327.440

 100, 68.956,
327.440

 39, 68.956,
327.440

 69, 68.956,
327.440

 29, 68.956,
327.440

 79, 68.956,
327.440

 19, 68.956,
327.440

 89, 68.956,
327.440

 9, 68.956, 327.440

 99, 68.956,
327.440

 0, 68.956, 327.440

 49, 68.956,

 49, 68.956,

327.440

327.440

■ 46, 77.067,
327.767

■ 52, 59.219,
327.039

■ 45, 83.168,
328.008

■ 56, 48.320,
326.578

■ 43, 87.052,
328.159

■ 60, 36.687,
326.074

■ 43, 89.086,
328.237

■ 64, 24.679,
325.542

■ 69, 12.569,
324.992

■ 73, 0.547, 324.034

■ 78, 11.259,
143.960

■ 83, 22.774,
143.435

■ 88, 33.956,
142.939

Harmonies

Complementary

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



49, 68.956, 327.440



65, 69.690, 139.249

Rectangle

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



49, 68.956, 327.440



49, 68.956, 17.440



49, 68.956, 147.440



49, 68.956, 197.440

Sweetspot

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



49, 68.954, 327.440



83, 26.890, 325.425



36, 66.734, 299.573



42, 18.679, 325.581



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



49, 68.954, 327.440



59, 96.976, 327.869



47, 50.458, 350.644



35, 6.750, 324.928



36, 78.920, 328.237



3, 16.260, 324.444

Inverse Universe

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



49, 68.954, 327.440



59, 96.976, 327.869



66, 47.779, 156.911



35, 6.750, 324.928



36, 78.920, 328.237



3, 16.260, 324.444

Previews

White Background



This preview shows how the CIELCh color 49, 68.956, 327.440 looks on a white background.

Color Contrast Check

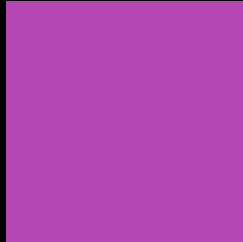
Large Text (above 18pt) WCAG AA ✓ Pass

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 49, 68.956, 327.440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

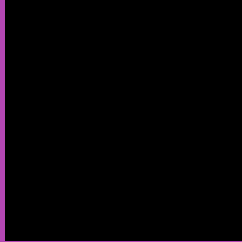
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 68.956, 327.440

Background



This preview shows how black text looks on a background with the CIELCh color 49, 68.956, 327.440.

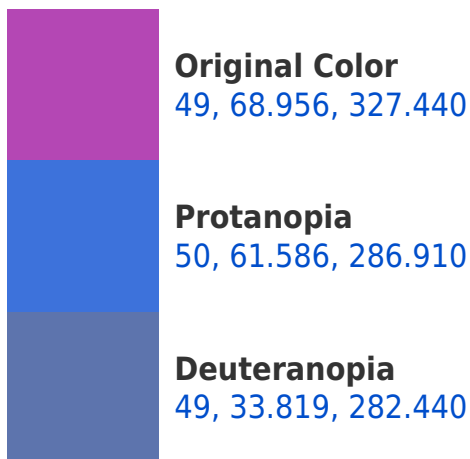


This preview shows how white text looks on a background with the CIELCh color 49, 68.956, 327.440.

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
49, 33.536, 17.311

Trichromacy



Original Color
49, 68.956, 327.440



Protanomaly
47, 63.012, 299.265



Deuteranomaly
48, 45.638, 305.825



Tritanomaly
49, 41.906, 349.007

Monochromacy



Original Color
49, 68.956, 327.440



Achromatopsia
49, 0.007, 296.813



Achromatomaly
48, 27.366, 325.914

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 68.956, 327.440 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(180, 71, 180)` looks like.

```
.text, #text, p{  
    color:rgb(180, 71, 180)  
}
```

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(180, 71, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 71, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 68.956, 327.440 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(180, 71, 180) }
```

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

```
.border{ border-color:rgb(180, 71, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 71, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 71, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 71, 180);  
box-shadow:4px 4px 4px 4px rgb(180, 71,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 68.956, 327.440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 71, 180) }
```

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

```
.background{ background-color: rgb(180, 71,  
180) }
```

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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