

Converting Colors

CIELCh(49, 67.737, 328.529)

Have a look what the booklet for
CIELCh(49, 67.737, 328.529)
contains.

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Color

CIELCh(49, 67.799, 328.578)

Conversions

Conversions Part 1

Format	Color
Hex	B547B1
RGB	181, 71, 177
RGB Percent	71%, 28%, 69%
CMY	0.2890, 0.7203, 0.3047
CMYK	0.00, 0.61, 0.02, 0.29
HSL	302°, 44%, 50%
HSV	302°, 61%, 71%
XYZ	29.3690, 17.5941, 43.6010
YIQ	115.9740, 31.5340, 56.2860

Conversions

Conversions Part 2

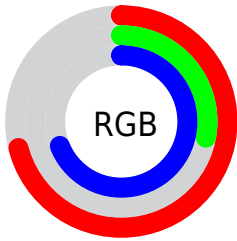
Format	Color
R_{YB}	181, 71, 177
Decimal	11880369
CIE _{Lab}	49.00, 57.86, -35.35
CIE _{LCh}	49, 67.799, 328.578
Yxy	17.5941, 0.3243, 0.1943
Android (android.graphics.Color)	4290070449 (0xFFB547B1)
YUV	115.9740, 30.0858, 57.0278
Hunter-Lab	41.9453, 51.5769, -32.2686

Details

The CIELCh color **49, 67.799, 328.578** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **66, 68.685, 140.098**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 67.697, 328.520**, and **29, 67.740, 328.542** is the 20% darker color. If you saturate the color by 10%, you get **46, 75.683, 328.966**, and if you desaturate by 10%, it is **52, 58.288, 328.131**.

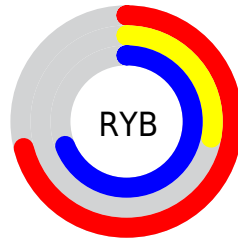
Distribution



Red (71%)

Green (28%)

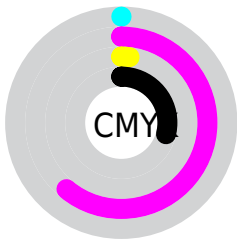
Blue (69%)



Red (71%)

Yellow (28%)

Blue (69%)

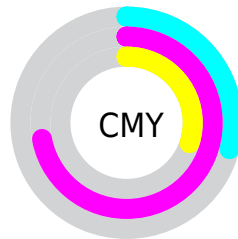


Cyan (0%)

Magenta (61%)

Yellow (2%)

Black (29%)



Cyan (29%)


Magenta (72%)

Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 67.799, 328.578 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, 67.799, 328.578 by changing the saturation by 10% instead.


 49, 67.799,
328.578


 49, 67.799,
328.578


 100, 67.799,
328.578


 39, 67.799,
328.578

 69, 67.799,
328.578

 29, 67.799,
328.578

 79, 67.799,
328.578

 19, 67.799,
328.578

 89, 67.799,
328.578

 9, 67.799, 328.578

 99, 67.799,
328.578

 0, 67.799, 328.578

 49, 67.799,

 49, 67.799,

328.578

46, 75.683,
328.966

45, 81.548,
329.287

43, 85.180,
329.542

43, 86.943,
329.735

328.578

52, 58.288,
328.131

56, 47.617,
327.637

60, 36.218,
327.109

64, 24.448,
326.560

69, 12.576,
325.998

73, 0.791, 325.154

78, 10.784,
144.953

83, 22.075,
144.420

■ 88, 33.041,
143.918

Harmonies

Complementary

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



49, 67.799, 328.578



66, 68.685, 140.098

Rectangle

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



49, 67.799, 328.578



49, 67.799, 18.578



49, 67.799, 148.578



49, 67.799, 198.578

Sweetspot

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



49, 67.797, 328.578



83, 26.238, 326.428



37, 67.230, 300.289



42, 18.226, 326.588



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, 67.797, 328.578



59, 94.609, 329.088



47, 50.082, 352.907



36, 6.741, 325.922



36, 77.667, 329.717



3, 18.141, 326.142

Inverse Universe

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



49, 67.797, 328.578



59, 94.609, 329.088



67, 46.711, 158.630



36, 6.741, 325.922



36, 77.667, 329.717



3, 18.141, 326.142

Previews

White Background



This preview shows how the CIELCh color 49, 67.799, 328.578 looks on a white background.

Color Contrast Check

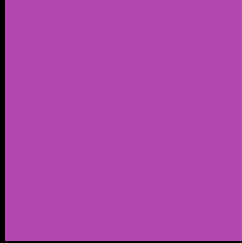
Large Text (above 18pt) WCAG AA ✓ Pass

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, 67.799, 328.578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

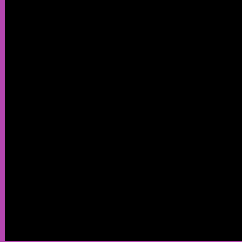
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 67.799, 328.578

Background



This preview shows how black text looks on a background with the CIELCh color 49, 67.799, 328.578.

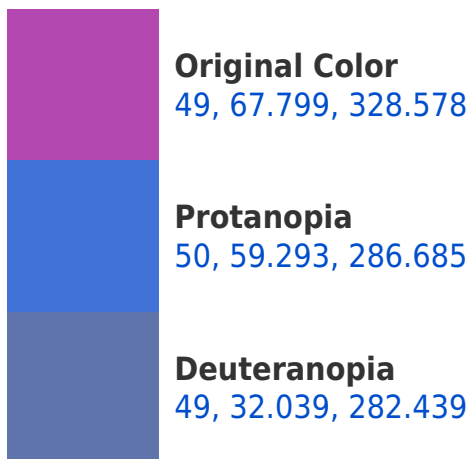


This preview shows how white text looks on a background with the CIELCh color 49, 67.799, 328.578.

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, 34.452, 17.663

Trichromacy



Original Color
49, 67.799, 328.578



Protanomaly
47, 60.750, 299.877



Deuteranomaly
48, 44.004, 306.596



Tritanomaly
48, 42.281, 350.532

Monochromacy



Original Color
49, 67.799, 328.578



Achromatopsia
49, 0.007, 296.813



Achromatomaly
48, 27.099, 327.355

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 67.799, 328.578 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(181, 71, 177)` looks like.

```
.text, #text, p{  
    color:rgb(181, 71, 177)  
}
```

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(181, 71, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 71, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 67.799, 328.578 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(181, 71, 177) }
```

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

```
.border{ border-color:rgb(181, 71, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 71, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 71, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 71, 177);  
box-shadow:4px 4px 4px 4px rgb(181, 71,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 67.799, 328.578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 71, 177) }
```

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

```
.background{ background-color: rgb(181, 71,  
177) }
```

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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