

Converting Colors

CIELCh(49, 71.407, 332.598)

Have a look what the booklet for
CIELCh(49, 71.407, 332.598)
contains.

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Color

CIELCh(49, 71.368, 332.619)

Conversions

Conversions Part 1

Format	Color
Hex	BF3EAD
RGB	191, 62, 173
RGB Percent	75%, 24%, 68%
CMY	0.2502, 0.7560, 0.3208
CMYK	0.00, 0.67, 0.09, 0.25
HSL	308°, 51%, 50%
HSV	308°, 67%, 75%
XYZ	30.8304, 17.5941, 41.3998
YIQ	113.2250, 41.2530, 61.8690

Conversions

Conversions Part 2

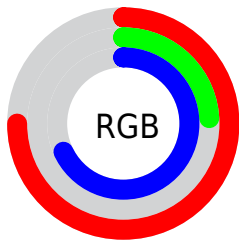
Format	Color
R_{YB}	191, 62, 173
Decimal	12533421
CIE _{Lab}	49.00, 63.37, -32.82
CIE _{LCh}	49, 71.368, 332.619
Yxy	17.5941, 0.3432, 0.1959
Android (android.graphics.Color)	4290723501 (0xFFBF3EAD)
YUV	113.2250, 29.4691, 68.2087
Hunter-Lab	41.9453, 57.7959, -29.1573

Details

The CIELCh color **49, 71.368, 332.619** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **69, 73.184, 141.896**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 71.529, 332.517**, and **30, 66.162, 332.748** is the 20% darker color. If you saturate the color by 10%, you get **47, 77.563, 333.237**, and if you desaturate by 10%, it is **52, 63.200, 332.005**.

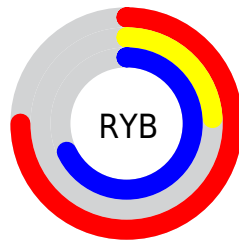
Distribution



Red (75%)

Green (24%)

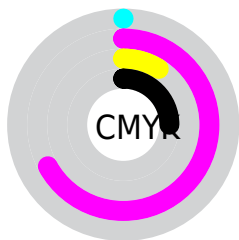
Blue (68%)



Red (75%)

Yellow (24%)

Blue (68%)

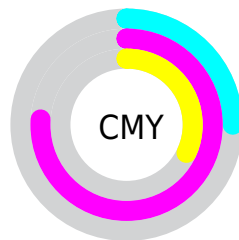


Cyan (0%)

Magenta (67%)

Yellow (9%)

Black (25%)



Cyan (25%)

Magenta (76%)

Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 71.368, 332.619 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, 71.368, 332.619 by changing the saturation by 10% instead.


 49, 71.368,
332.619


 49, 71.368,
332.619


 100, 71.368,
332.619


 39, 71.368,
332.619

 69, 71.368,
332.619


 29, 71.368,
332.619

 79, 71.368,
332.619

 19, 71.368,
332.619

 89, 71.368,
332.619

 9, 71.368, 332.619

 99, 71.368,
332.619

 0, 71.368, 332.619

 49, 71.368,

 49, 71.368,

332.619

332.619

■ 47, 77.563,
333.237

■ 52, 63.200,
332.005

■ 45, 81.469,
333.873

■ 56, 53.536,
331.388

■ 44, 83.129,
334.546

■ 60, 42.859,
330.768

■ 44, 83.407,
334.720

■ 64, 31.595,
330.148

■ 69, 20.074,
329.531

■ 74, 8.534, 328.913

■ 79, 2.865, 148.463

■ 84, 14.024,
147.824

■ 89, 24.889,
147.278

Harmonies

Complementary

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



49, 71.368, 332.619



69, 73.184, 141.896

Rectangle

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



49, 71.368, 332.619



49, 71.368, 22.619



49, 71.368, 152.619



49, 71.368, 202.619

Sweetspot

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



49, 71.365, 332.619



85, 28.360, 329.707



36, 78.353, 303.523



44, 19.513, 329.882



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



49, 71.365, 332.619



59, 96.762, 333.539



47, 55.191, 1.806



37, 6.420, 329.032



36, 72.570, 334.614



3, 18.715, 331.092

Inverse Universe

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



49, 71.365, 332.619



59, 96.762, 333.539



70, 48.281, 163.412



37, 6.420, 329.032



36, 72.570, 334.614



3, 18.715, 331.092

Previews

White Background



This preview shows how the CIELCh color 49, 71.368, 332.619 looks on a white background.

Color Contrast Check

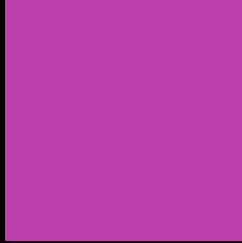
Large Text (above 18pt) WCAG AA ✓ Pass

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, 71.368, 332.619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

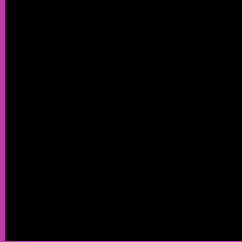
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 71.368, 332.619

Background



This preview shows how black text looks on a background with the CIELCh color 49, 71.368, 332.619.

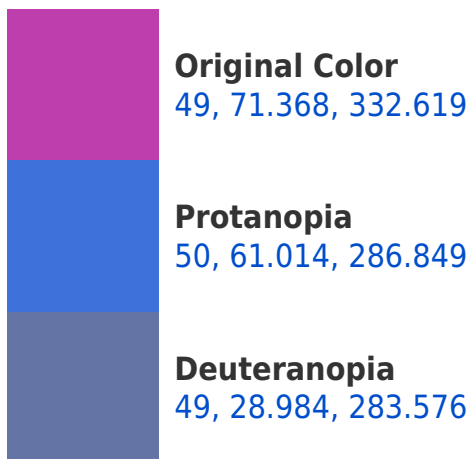


This preview shows how white text looks on a background with the CIELCh color 49, 71.368, 332.619.

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](#).

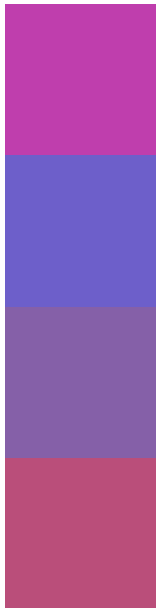
Dichromacy





Tritanopia
49, 42.322, 21.808

Trichromacy



Original Color
49, 71.368, 332.619

Protanomaly
47, 63.230, 301.272

Deuteranomaly
47, 44.332, 311.632

Tritanomaly
49, 48.113, 356.508

Monochromacy



Original Color
49, 71.368, 332.619

Achromatopsia
48, 0.006, 296.813

Achromatomaly
46, 29.416, 330.108

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 71.368, 332.619 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(191, 62, 173)` looks like.

```
.text, #text, p{  
    color:rgb(191, 62, 173)  
}
```

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(191, 62, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 62, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 71.368, 332.619 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(191, 62, 173) }
```

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

```
.border{ border-color:rgb(191, 62, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 62, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 62, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 62, 173); box-shadow:4px 4px 4px 4px rgb(191, 62, 173) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 71.368, 332.619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 62, 173) }
```

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

```
.background{ background-color: rgb(191, 62,  
173) }
```

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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