

Converting Colors

CIELCh(49, 64.398, 328.919)

Have a look what the booklet for
CIELCh(49, 64.398, 328.919)
contains.

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Color

CIELCh(49, 64.321, 328.836)

Conversions

Conversions Part 1

Format	Color
Hex	B34BAE
RGB	179, 75, 174
RGB Percent	70%, 29%, 68%
CMY	0.2991, 0.7069, 0.3187
CMYK	0.00, 0.58, 0.03, 0.30
HSL	303°, 41%, 50%
HSV	303°, 58%, 70%
XYZ	28.6407, 17.5941, 41.7979
YIQ	117.3820, 30.2050, 52.8370

Conversions

Conversions Part 2

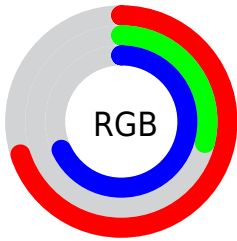
Format	Color
RYB	179, 75, 174
Decimal	11750318
CIELab	49.00, 55.04, -33.29
CIElCh	49, 64.321, 328.836
Yxy	17.5941, 0.3253, 0.1999
Android (android.graphics.Color)	4289940398 (0xFFB34BAE)
YUV	117.3820, 27.9127, 54.0390
Hunter-Lab	41.9453, 48.4777, -29.7200

Details

The CIELCh color $49, 64.321, 328.836$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $65, 65.058, 140.693$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 64.515, 328.797$, and $29, 64.250, 328.769$ is the 20% darker color. If you saturate the color by 10%, you get $46, 72.497, 329.260$, and if you desaturate by 10%, it is $52, 54.659, 328.362$.

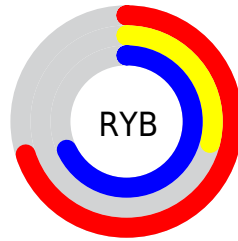
Distribution



Red (70%)

Green (29%)

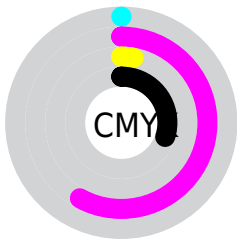
Blue (68%)



Red (70%)

Yellow (29%)

Blue (68%)

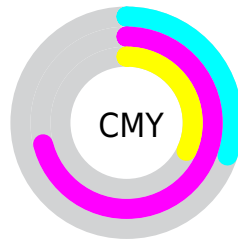


Cyan (0%)

Magenta (58%)

Yellow (3%)

Black (30%)



Cyan (30%)

Magenta (71%)

Yellow (32%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 64.321, 328.836 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, 64.321, 328.836 by changing the saturation by 10% instead.


 49, 64.321,
328.836


 49, 64.321,
328.836


 100, 64.321,
328.836

 39, 64.321,
328.836

 69, 64.321,
328.836


 29, 64.321,
328.836

 79, 64.321,
328.836

 19, 64.321,
328.836

 89, 64.321,
328.836

 9, 64.321, 328.836

 99, 64.321,
328.836

 0, 64.321, 328.836

 49, 64.321,

 49, 64.321,

328.836

■ 46, 72.497,
329.260

■ 44, 78.771,
329.624

■ 43, 82.870,
329.930

■ 42, 84.944,
330.187

■ 42, 85.253,
330.231

328.836

■ 52, 54.659,
328.362

■ 56, 43.972,
327.847

■ 60, 32.669,
327.305

■ 64, 21.078,
326.748

■ 69, 9.442, 326.177

■ 74, 2.073, 145.773

■ 79, 13.359,
145.136

■ 83, 24.354,
144.611

■ 88, 35.027,
144.114

Harmonies

Complementary

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



49, 64.321, 328.836



65, 65.058, 140.693

Rectangle

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



49, 64.321, 328.836



49, 64.321, 18.836



49, 64.321, 148.836



49, 64.321, 198.836

Sweetspot

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



49, 64.319, 328.836



82, 24.363, 326.697



38, 63.462, 299.779



43, 16.436, 326.809



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, 64.319, 328.836



59, 90.699, 329.376



47, 47.778, 352.423



35, 6.534, 326.243



36, 76.055, 330.206



3, 15.471, 326.457

Inverse Universe

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



49, 64.319, 328.836



59, 90.699, 329.376



66, 44.568, 159.027



35, 6.534, 326.243



36, 76.055, 330.206



3, 15.471, 326.457

Previews

White Background



This preview shows how the CIELCh color 49, 64.321, 328.836 looks on a white background.

Color Contrast Check

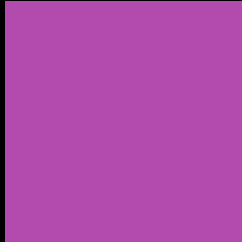
Large Text (above 18pt) WCAG AA ✓ Pass

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, 64.321, 328.836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

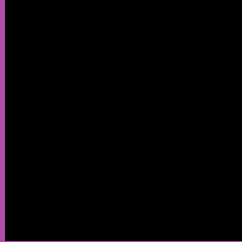
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 64.321, 328.836

Background



This preview shows how black text looks on a background with the CIELCh color 49, 64.321, 328.836.



This preview shows how white text looks on a background with the CIELCh color 49, 64.321, 328.836.

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

49, 64.321, 328.836

Protanopia

50, 55.222, 286.625

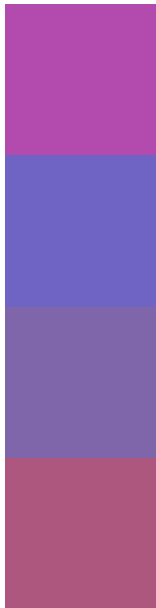
Deuteranopia

49, 30.207, 283.059



Tritanopia
49, 33.106, 17.155

Trichromacy



Original Color
49, 64.321, 328.836

Protanomaly
48, 56.646, 300.221

Deuteranomaly
48, 41.153, 307.279

Tritanomaly
49, 40.338, 351.062

Monochromacy



Original Color
49, 64.321, 328.836

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 25.504, 326.588

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 64.321, 328.836 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(179, 75, 174)` looks like.

```
.text, #text, p{  
    color:rgb(179, 75, 174)  
}
```

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(179, 75, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 75, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 64.321, 328.836 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(179, 75, 174) }
```

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

```
.border{ border-color:rgb(179, 75, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 75, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 75, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 75, 174);  
box-shadow:4px 4px 4px 4px rgb(179, 75,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 64.321, 328.836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 75, 174) }
```

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

```
.background{ background-color: rgb(179, 75,  
174) }
```

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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