

Converting Colors

CIELCh(49, 69.844, 326.447)

Have a look what the booklet for
CIELCh(49, 69.844, 326.447)
contains.

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Color

CIELCh(49, 69.643, 326.325)

Conversions

Conversions Part 1

Format	Color
Hex	B348B7
RGB	179, 72, 183
RGB Percent	70%, 28%, 72%
CMY	0.2986, 0.7182, 0.2829
CMYK	0.02, 0.61, 0.00, 0.28
HSL	298°, 44%, 50%
HSV	298°, 61%, 72%
XYZ	29.3952, 17.5941, 46.5669
YIQ	116.6470, 28.1410, 57.2050

Conversions

Conversions Part 2

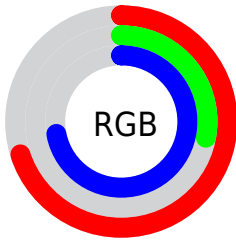
Format	Color
RYB	179, 72, 183
Decimal	11749559
CIELab	49.00, 57.96, -38.62
CIELCh	49, 69.643, 326.325
Yxy	17.5941, 0.3142, 0.1881
Android (android.graphics.Color)	4289939639 (0xFFB348B7)
YUV	116.6470, 32.7120, 54.6836
Hunter-Lab	41.9453, 51.6882, -36.4611

Details

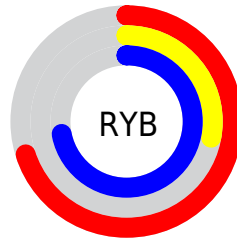
The CIELCh color **49, 69.643, 326.325** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **66, 70.113, 138.594**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 69.325, 326.381**, and **29, 69.501, 326.433** is the 20% darker color. If you saturate the color by 10%, you get **46, 77.907, 326.603**, and if you desaturate by 10%, it is **52, 59.769, 325.960**.

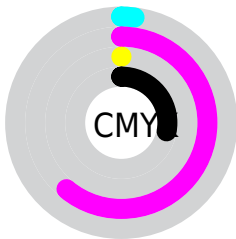
Distribution



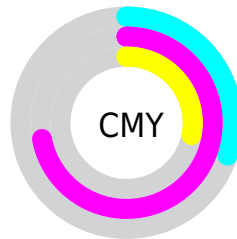
- Red (70%)
- Green (28%)
- Blue (72%)



- Red (70%)
- Yellow (28%)
- Blue (72%)



- Cyan (2%)
- Magenta (61%)
- Yellow (0%)
- Black (28%)





- Cyan (30%)
- Magenta (72%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 69.643, 326.325 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, 69.643, 326.325 by changing the saturation by 10% instead.


 49, 69.643,
326.325


 49, 69.643,
326.325


 100, 69.643,
326.325


 39, 69.643,
326.325

 69, 69.643,
326.325


 29, 69.643,
326.325

 79, 69.643,
326.325

 19, 69.643,
326.325

 89, 69.643,
326.325

 9, 69.643, 326.325

 99, 69.643,
326.325

 0, 69.643, 326.325

 49, 69.643,

 49, 69.643,

326.325

46, 77.907,
326.603

44, 84.150,
326.778

43, 88.132,
326.839

42, 90.182,
326.814

326.325

52, 59.769,
325.960

56, 48.763,
325.528

60, 37.058,
325.048

65, 25.008,
324.540

69, 12.876,
324.013

74, 0.846, 323.238

79, 10.963,
143.029

84, 22.481,
142.529

■ 89, 33.669,
142.058

Harmonies

Complementary

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



49, 69.643, 326.325



66, 70.113, 138.594

Rectangle

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



49, 69.643, 326.325



49, 69.643, 16.325



49, 69.643, 146.325



49, 69.643, 196.325

Sweetspot

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



49, 69.641, 326.325



83, 26.842, 324.415



38, 64.187, 297.910



43, 18.817, 324.566



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



49, 69.641, 326.325



59, 97.629, 326.677



47, 52.492, 347.527



36, 6.833, 323.940



36, 80.027, 326.832



3, 18.482, 323.211

Inverse Universe

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



46, 49.972, 25.025



54, 75.224, 29.316



67, 50.686, 154.404



36, 4.004, 16.992



32, 70.506, 38.139



2, 10.651, 17.209

Previews

White Background



This preview shows how the CIELCh color 49, 69.643, 326.325 looks on a white background.

Color Contrast Check

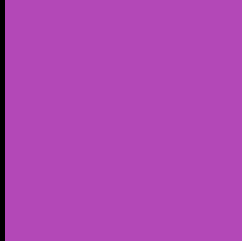
Large Text (above 18pt) WCAG AA ✓ Pass

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, 69.643, 326.325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

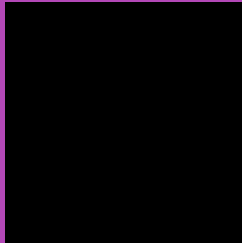
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 69.643, 326.325

Background



This preview shows how black text looks on a background with the CIELCh color 49, 69.643, 326.325.

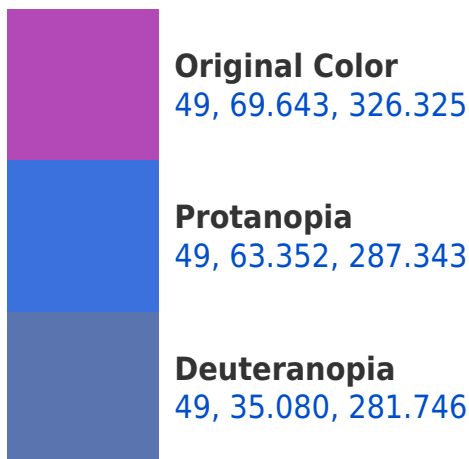


This preview shows how white text looks on a background with the CIELCh color 49, 69.643, 326.325.

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, 32.192, 16.790

Trichromacy



Original Color
49, 69.643, 326.325



Protanomaly
47, 64.149, 298.885



Deuteranomaly
48, 46.652, 304.433



Tritanomaly
49, 41.302, 348.167

Monochromacy



Original Color
49, 69.643, 326.325



Achromatopsia
49, 0.007, 296.813



Achromatomaly
48, 27.616, 324.501

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 69.643, 326.325 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, 72, 183)` looks like.

```
.text, #text, p{  
    color:rgb(179, 72, 183)  
}
```

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, 72, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 72, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 69.643, 326.325 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, 72, 183) }
```

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

```
.border{ border-color:rgb(179, 72, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 72, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 72, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 72, 183); box-shadow:4px 4px 4px 4px rgb(179, 72, 183) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 69.643, 326.325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 72, 183) }
```

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

```
.background{ background-color: rgb(179, 72,  
183) }
```

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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