

Converting Colors

CIELCh(49, 85.552, 322.660)

Have a look what the booklet for
CIELCh(49, 85.552, 322.660)
contains.

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Color

CIELCh(49, 85.670, 322.529)

Conversions

Conversions Part 1

Format	Color
Hex	B63BCE
RGB	182, 59, 206
RGB Percent	71%, 23%, 81%
CMY	0.2854, 0.7676, 0.1913
CMYK	0.12, 0.71, 0.00, 0.19
HSL	290°, 60%, 52%
HSV	290°, 71%, 81%
XYZ	32.0911, 17.5941, 60.2404
YIQ	112.5350, 26.1210, 71.7930

Conversions

Conversions Part 2

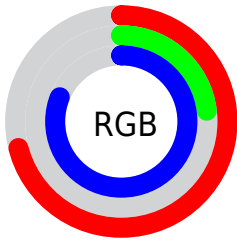
Format	Color
R_{YB}	182, 59, 206
Decimal	11942862
CIE _{Lab}	49.00, 67.99, -52.12
CIE _{LCh}	49, 85.670, 322.529
Yxy	17.5941, 0.2919, 0.1601
Android (android.graphics.Color)	4290132942 (0xFFB63BCE)
YUV	112.5350, 46.0782, 60.9208
Hunter-Lab	41.9453, 63.1611, -55.7886

Details

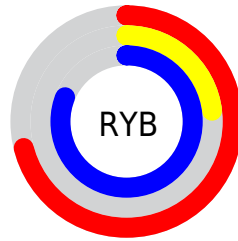
The CIELCh color **49, 85.670, 322.529** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted purple. A complement of this color would be **74, 84.952, 135.371**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 81.895, 324.124**, and **31, 79.323, 321.789** is the 20% darker color. If you saturate the color by 10%, you get **46, 92.916, 322.514**, and if you desaturate by 10%, it is **52, 76.236, 322.379**.

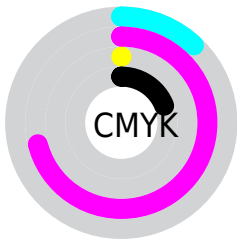
Distribution



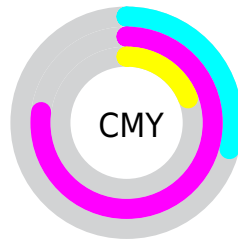
- Red (71%)
- Green (23%)
- Blue (81%)



- Red (71%)
- Yellow (23%)
- Blue (81%)



- Cyan (12%)
- Magenta (71%)
- Yellow (0%)
- Black (19%)





- Cyan (29%)
- Magenta (77%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 85.670, 322.529 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, 85.670, 322.529 by changing the saturation by 10% instead.


 49, 85.670,
322.529


 49, 85.670,
322.529


 100, 85.670,
322.529


 39, 85.670,
322.529

 69, 85.670,
322.529


 29, 85.670,
322.529

 79, 85.670,
322.529

 19, 85.670,
322.529

 89, 85.670,
322.529

 9, 85.670, 322.529

 99, 85.670,
322.529

 0, 85.670, 322.529

 49, 85.670,

 49, 85.670,

322.529

■ 46, 92.916,
322.514

■ 44, 97.593,
322.301

■ 43, 99.862,
321.972

322.529

■ 52, 76.236,
322.379

■ 57, 65.176,
322.102

■ 61, 53.050,
321.736


■ 66, 40.327,
321.314

■ 71, 27.363,
320.862

■ 77, 14.405,
320.396

■ 82, 1.614, 319.819

■ 88, 10.911,
139.539

 93, 23.115,
139.110

Harmonies

Complementary

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



49, 85.670, 322.529



74, 84.952, 135.371

Rectangle

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



49, 85.670, 322.529



49, 85.670, 12.529



49, 85.670, 142.529



49, 85.670, 192.529

Sweetspot

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



49, 85.668, 322.529



86, 32.098, 320.862



41, 73.541, 296.030



44, 21.750, 320.990



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 85.668, 322.529



56, 112.602, 322.416



50, 69.223, 342.301



40, 7.177, 320.307



34, 84.862, 322.063



4, 27.359, 320.986

Inverse Universe

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



48, 62.126, 19.215



55, 86.478, 26.053



74, 70.393, 147.592



40, 4.464, 6.878



34, 68.667, 31.619



4, 18.120, 11.418

Previews

White Background



This preview shows how the CIELCh color 49, 85.670, 322.529 looks on a white background.

Color Contrast Check

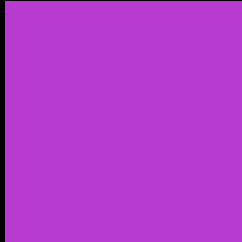
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.670, 322.529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

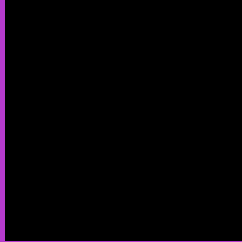
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 85.670, 322.529

Background



This preview shows how black text looks on a background with the CIELCh color 49, 85.670, 322.529.

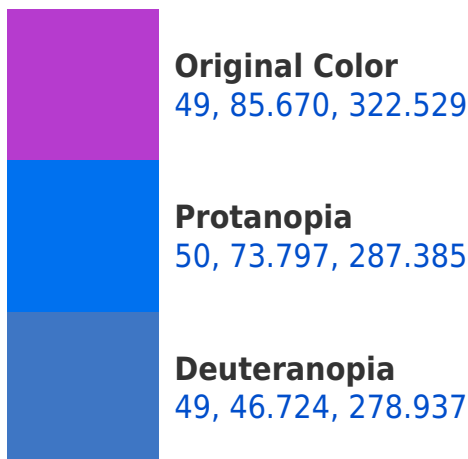


This preview shows how white text looks on a background with the CIELCh color 49, 85.670, 322.529.

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, 31.762, 16.626

Trichromacy



Original Color
49, 85.670, 322.529



Protanomaly
45, 79.024, 296.004



Deuteranomaly
47, 60.834, 299.916



Tritanomaly
48, 46.758, 341.468

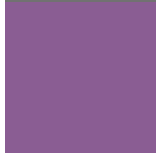
Monochromacy



Original Color
49, 85.670, 322.529



Achromatopsia
48, 0.006, 296.813



Achromatomaly
46, 35.904, 321.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 85.670, 322.529 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(182, 59, 206)` looks like.

```
.text, #text, p{  
    color:rgb(182, 59, 206)  
}
```

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(182, 59, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 59, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 85.670, 322.529 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(182, 59, 206) }
```

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

```
.border{ border-color:rgb(182, 59, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 59, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 59, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 59, 206);  
box-shadow:4px 4px 4px 4px rgb(182, 59,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 85.670, 322.529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 59, 206) }
```

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

```
.background{ background-color: rgb(182, 59,  
206) }
```

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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