

Converting Colors

CIELCh(49, 42.751, 326.051)

Have a look what the booklet for
CIELCh(49, 42.751, 326.051)
contains.

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Color

CIELCh(49, 42.700, 326.074)

Conversions

Conversions Part 1

Format	Color
Hex	9C5E9D
RGB	156, 94, 157
RGB Percent	61%, 37%, 62%
CMY	0.3871, 0.6303, 0.3832
CMYK	0.01, 0.40, 0.00, 0.38
HSL	299°, 25%, 49%
HSV	299°, 40%, 62%
XYZ	23.9030, 17.5941, 34.1614
YIQ	119.7200, 16.7290, 32.7370

Conversions

Conversions Part 2

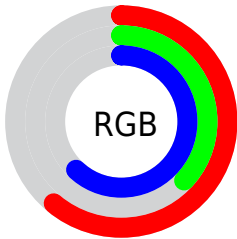
Format	Color
R_{YB}	156, 94, 157
Decimal	10247837
CIE _{Lab}	49.00, 35.43, -23.83
CIE _{LCh}	49, 42.700, 326.074
Yxy	17.5941, 0.3159, 0.2325
Android (android.graphics.Color)	4288437917 (0xFF9C5E9D)
YUV	119.7200, 18.3790, 31.8176
Hunter-Lab	41.9453, 28.3160, -18.9257

Details

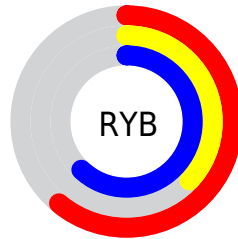
The CIELCh color $49, 42.700, 326.074$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $59, 42.727, 141.139$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 42.765, 326.123$, and $29, 42.440, 326.183$ is the 20% darker color. If you saturate the color by 10%, you get $46, 52.521, 326.522$, and if you desaturate by 10%, it is $53, 32.275, 325.584$.

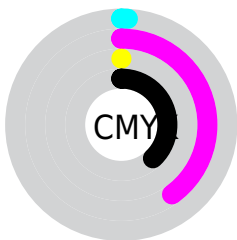
Distribution



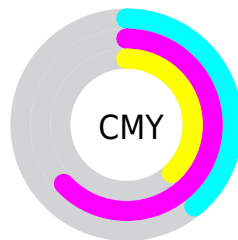
- Red (61%)
- Green (37%)
- Blue (62%)



- Red (61%)
- Yellow (37%)
- Blue (62%)



- Cyan (1%)
- Magenta (40%)
- Yellow (0%)
- Black (38%)




- Cyan (39%)
- Magenta (63%)
- Yellow (38%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 42.700, 326.074 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, 42.700, 326.074 by changing the saturation by 10% instead.


 49, 42.700,
326.074


 49, 42.700,
326.074


 100, 42.700,
326.074

 39, 42.700,
326.074

 69, 42.700,
326.074


 29, 42.700,
326.074

 79, 42.700,
326.074

 19, 42.700,
326.074

 89, 42.700,
326.074

 9, 42.700, 326.074

 99, 42.700,
326.074

 0, 42.700, 326.074

 49, 42.700,

 49, 42.700,

326.074

46, 52.521,
326.522

43, 61.372,
326.911

40, 68.847,
327.223

39, 74.584,
327.444

37, 78.365,
327.569

37, 80.595,
327.618

326.074

53, 32.275,
325.584

57, 21.556,
325.066

61, 10.769,
324.532

65, 0.074, 321.132

69, 10.427,
143.534

74, 20.669,
143.026

78, 30.618,
142.547

82, 40.260,
142.094

■ 87, 49.594,
141.668

Harmonies

Complementary

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



49, 42.700, 326.074



59, 42.727, 141.139

Rectangle

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



49, 42.700, 326.074



49, 42.700, 16.074



49, 42.700, 146.074



49, 42.700, 196.074

Sweetspot

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



49, 42.698, 326.074



76, 15.892, 324.649



43, 37.287, 294.797



39, 10.523, 324.712



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



49, 42.698, 326.074



59, 62.382, 326.474



48, 31.172, 346.563



31, 6.074, 324.487



33, 75.096, 327.623



1, 7.894, 323.917

Inverse Universe

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



47, 27.844, 22.020



56, 42.327, 23.576



60, 29.877, 158.942



31, 3.534, 18.622



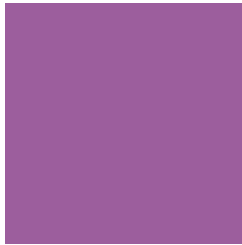
29, 66.550, 38.537



1, 4.475, 18.159

Previews

White Background



This preview shows how the CIELCh color 49, 42.700, 326.074 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, 42.700, 326.074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

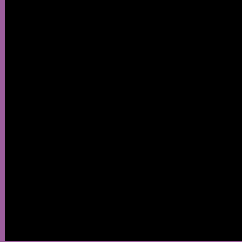
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 42.700, 326.074

Background



This preview shows how black text looks on a background with the CIELCh color 49, 42.700, 326.074.

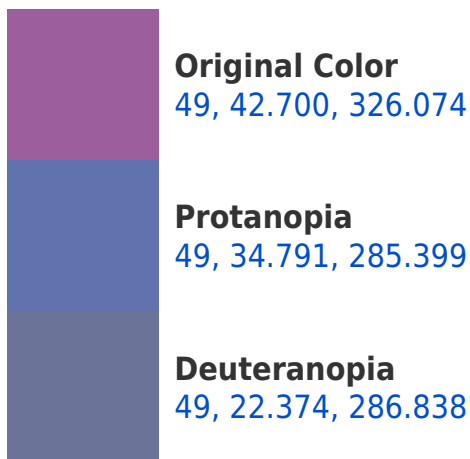


This preview shows how white text looks on a background with the CIELCh color 49, 42.700, 326.074.

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, 19.881, 8.552

Trichromacy



Original Color
49, 42.700, 326.074

Protanomaly
49, 36.237, 300.980

Deuteranomaly
49, 29.185, 307.077

Tritanomaly
49, 26.263, 344.663

Monochromacy



Original Color
49, 42.700, 326.074

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 16.033, 324.125

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 42.700, 326.074 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(156, 94, 157)` looks like.

```
.text, #text, p{  
    color:rgb(156, 94, 157)  
}
```

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(156, 94, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 94, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 42.700, 326.074 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(156, 94, 157) }
```

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

```
.border{ border-color:rgb(156, 94, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 94, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 94, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 94, 157);  
box-shadow:4px 4px 4px 4px rgb(156, 94,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 42.700, 326.074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 94, 157) }
```

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

```
.background{ background-color: rgb(156, 94,  
157) }
```

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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