

Converting Colors

CIELCh(49, 23.057, 319.292)

Have a look what the booklet for
CIELCh(49, 23.057, 319.292)
contains.

CIELCh(49, 23.042, 318.989)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 23.042, 318.989)

Conversions

Conversions Part 1

Format	Color
Hex	866B8E
RGB	134, 107, 142
RGB Percent	53%, 42%, 56%
CMY	0.4738, 0.5797, 0.4424
CMYK	0.06, 0.25, 0.00, 0.44
HSL	286°, 14%, 49%
HSV	286°, 25%, 56%
XYZ	20.0332, 17.5941, 28.0041
YIQ	119.0630, 4.8570, 16.6090

Conversions

Conversions Part 2

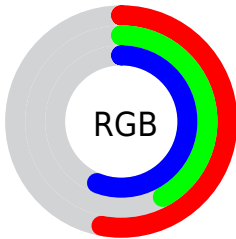
Format	Color
R_{YB}	134, 107, 142
Decimal	8809358
CIE _{Lab}	49.00, 17.39, -15.12
CIE _{LCh}	49, 23.042, 318.989
Yxy	17.5941, 0.3052, 0.2681
Android (android.graphics.Color)	4286999438 (0xFF866B8E)
YUV	119.0630, 11.3079, 13.0997
Hunter-Lab	41.9453, 11.8479, -10.2223

Details

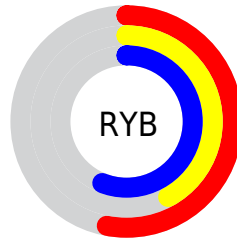
The CIELCh color $49, 23.042, 318.989$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $56, 22.743, 136.776$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 22.951, 319.141$, and $29, 23.475, 318.962$ is the 20% darker color. If you saturate the color by 10%, you get $45, 32.501, 319.410$, and if you desaturate by 10%, it is $53, 13.589, 318.555$.

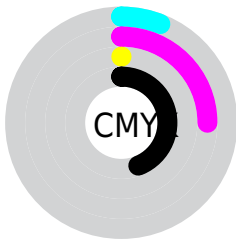
Distribution



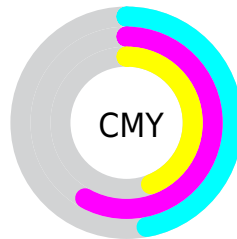
- Red (53%)
- Green (42%)
- Blue (56%)



- Red (53%)
- Yellow (42%)
- Blue (56%)



- Cyan (6%)
- Magenta (25%)
- Yellow (0%)
- Black (44%)



- Cyan (47%)
- Magenta (58%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 23.042, 318.989 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, 23.042, 318.989 by changing the saturation by 10% instead.


 49, 23.042,
318.989


 49, 23.042,
318.989


 100, 23.042,
318.989


 39, 23.042,
318.989

 69, 23.042,
318.989


 29, 23.042,
318.989

 79, 23.042,
318.989

 19, 23.042,
318.989

 89, 23.042,
318.989

 9, 23.042, 318.989

 99, 23.042,
318.989

 0, 23.042, 318.989

 49, 23.042,

 49, 23.042,

318.989

45, 32.501,
319.410

41, 41.802,
319.801

38, 50.696,
320.133

35, 58.848,
320.370

32, 65.853,
320.468

30, 71.291,
320.381

28, 74.882,
320.070

27, 76.512,
319.878

318.989

53, 13.589,
318.555

57, 4.258, 318.106

61, 4.886, 137.767

66, 13.805,
137.359

70, 22.481,
136.993

74, 30.908,
136.656

78, 39.089,
136.348

82, 47.030,
136.067

■ 87, 54.743,
135.811

Harmonies

Complementary

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



49, 23.042, 318.989



56, 22.743, 136.776

Rectangle

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



49, 23.042, 318.989



49, 23.042, 8.989



49, 23.042, 138.989



49, 23.042, 188.989

Sweetspot

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



49, 23.040, 318.989



71, 7.964, 318.225



49, 15.968, 281.621



37, 5.158, 318.247



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



49, 23.040, 318.989



60, 34.671, 319.244



50, 20.372, 334.598



28, 5.242, 318.316



26, 73.731, 319.913



0, 3.512, 317.948

Inverse Universe

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



49, 15.269, 3.620



60, 23.191, 4.417



56, 20.223, 151.171



28, 3.394, 1.870



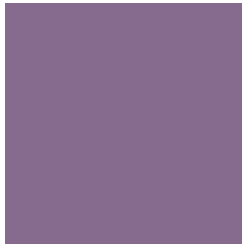
27, 56.262, 25.637



0, 2.244, 1.095

Previews

White Background



This preview shows how the CIELCh color 49, 23.042, 318.989 looks on a white background.

Color Contrast Check

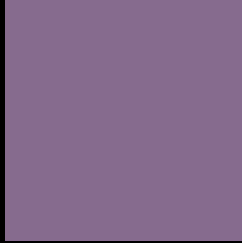
Large Text (above 18pt) WCAG AA ✓ Pass

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, 23.042, 318.989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

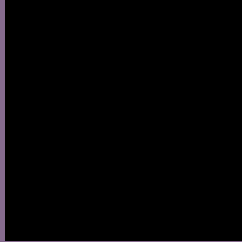
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 23.042, 318.989

Background



This preview shows how black text looks on a background with the CIELCh color 49, 23.042, 318.989.



This preview shows how white text looks on a background with the CIELCh color 49, 23.042, 318.989.

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, 23.042, 318.989

Protanopia

49, 19.478, 285.409

Deuteranopia

49, 15.913, 294.896



Tritanopia
49, 9.707, 347.727

Trichromacy



Original Color
49, 23.042, 318.989

Protanomaly
49, 20.185, 298.951

Deuteranomaly
49, 17.619, 305.850

Tritanomaly
49, 13.740, 330.878

Monochromacy



Original Color
49, 23.042, 318.989

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 8.110, 320.190

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 23.042, 318.989 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(134, 107, 142)` looks like.

```
.text, #text, p{  
    color:rgb(134, 107, 142)  
}
```

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(134, 107, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 107, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 23.042, 318.989 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(134, 107, 142) }
```

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

```
.border{ border-color:rgb(134, 107, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 107, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 107, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 107, 142);  
box-shadow:4px 4px 4px 4px rgb(134, 107,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 23.042, 318.989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 107, 142) }
```

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

```
.background{ background-color: rgb(134,  
107, 142) }
```

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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