

Converting Colors

CIELCh(62, 49.168, 326.123)

Have a look what the booklet for
CIELCh(62, 49.168, 326.123)
contains.

CIELCh(62, 49.397, 326.093)	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(62, 49.397, 326.093)

Conversions

Conversions Part 1

Format	Color
Hex	C67BC7
RGB	198, 123, 199
RGB Percent	78%, 48%, 78%
CMY	0.2225, 0.5167, 0.2186
CMYK	0.00, 0.38, 0.00, 0.22
HSL	299°, 41%, 63%
HSV	299°, 38%, 78%
XYZ	40.8090, 30.4025, 57.9064
YIQ	154.0890, 20.3040, 39.5360

Conversions

Conversions Part 2

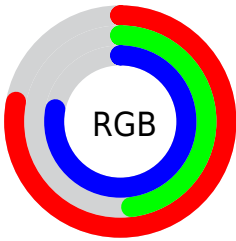
Format	Color
RYB	198, 123, 199
Decimal	13007815
CIELab	62.00, 41.00, -27.56
CIELCh	62, 49.397, 326.093
Yxy	30.4025, 0.3161, 0.2355
Android (android.graphics.Color)	4291197895 (0xFFC67BC7)
YUV	154.0890, 22.1411, 38.5099
Hunter-Lab	55.1385, 35.6187, -23.6693

Details

The CIELCh color $62, 49.397, 326.093$ is a light color, and the websafe version is hex `CC66CC`. A complement of this color would be $74, 49.426, 141.314$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $82, 48.817, 326.112$, and $42, 49.322, 326.170$ is the 20% darker color. If you saturate the color by 10%, you get $58, 61.411, 326.557$, and if you desaturate by 10%, it is $66, 36.685, 325.588$.

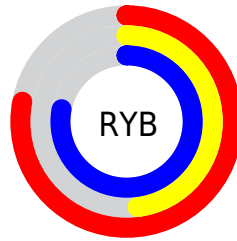
Distribution



Red (78%)

Green (48%)

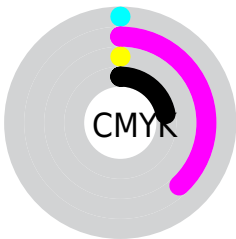
Blue (78%)



Red (78%)

Yellow (48%)

Blue (78%)

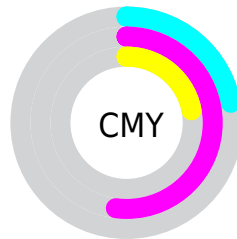


Cyan (0%)

Magenta (38%)

Yellow (0%)

Black (22%)



Cyan (22%)


Magenta (52%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 49.397, 326.093 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 62, 49.397, 326.093 by changing the saturation by 10% instead.


 62, 49.397,
326.093


 62, 49.397,
326.093


 100, 49.397,
326.093


 52, 49.397,
326.093


 82, 49.397,
326.093

 42, 49.397,
326.093

 92, 49.397,
326.093

 32, 49.397,
326.093

 22, 49.397,
326.093

 12, 49.397,
326.093

 2, 49.397, 326.093

 0, 49.397, 326.093

62, 49.397,
326.093

62, 49.397,
326.093

58, 61.411,
326.557

66, 36.685,
325.588

54, 72.275,
326.962

71, 23.653,
325.057

51, 81.482,
327.289

76, 10.571,
324.507

49, 88.570,
327.525

81, 2.373, 144.105

48, 93.254,
327.662

87, 15.057,
143.492

47, 95.674,
327.708

92, 27.410,
142.981

47, 96.029,
327.713

95, 34.773,
142.637

95, 34.720,
142.522

■ 95, 34.667,
142.406

Harmonies

Complementary

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



62, 49.397, 326.093



74, 49.426, 141.314

Rectangle

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



62, 49.397, 326.093



62, 49.397, 16.093



62, 49.397, 146.093



62, 49.397, 196.093

Sweetspot

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



62, 49.395, 326.093



93, 17.466, 324.675



55, 42.939, 294.578



49, 11.744, 324.751



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



62, 49.395, 326.093



74, 71.883, 326.492



61, 36.008, 346.415



39, 7.352, 324.576



38, 82.804, 327.720



4, 26.595, 326.507

Inverse Universe

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



60, 32.038, 22.028



70, 48.464, 23.495



75, 34.547, 159.090



39, 4.278, 18.863



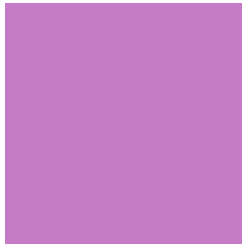
34, 74.115, 39.249



3, 15.888, 18.725

Previews

White Background



This preview shows how the CIELCh color 62, 49.397, 326.093 looks on a white background.

Color Contrast Check

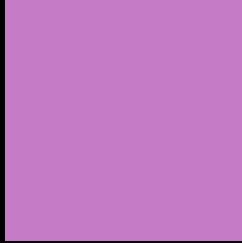
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 62, 49.397, 326.093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

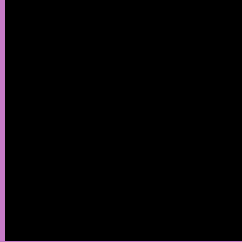
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 49.397, 326.093

Background



This preview shows how black text looks on a background with the CIELCh color 62, 49.397, 326.093.



This preview shows how white text looks on a background with the CIELCh color 62, 49.397, 326.093.

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
62, 49.397, 326.093

Protanopia
62, 39.466, 285.172

Deuteranopia
62, 26.404, 287.948



Tritanopia
62, 23.123, 8.086

Trichromacy



Original Color
62, 49.397, 326.093



Protanomaly
62, 40.866, 300.731



Deuteranomaly
62, 33.689, 307.037



Tritanomaly
62, 30.439, 344.477

Monochromacy



Original Color
62, 49.397, 326.093



Achromatopsia
64, 0.008, 296.813



Achromatomaly
63, 18.248, 325.286

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 49.397, 326.093 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(198, 123, 199)` looks like.

```
.text, #text, p{  
    color:rgb(198, 123, 199)  
}
```

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(198, 123, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 123, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 49.397, 326.093 is called "border". The border property can be set on classes, ids or directly on the HTML element.

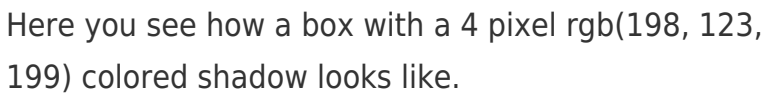
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 123, 199) }
```

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

```
.border{ border-color:rgb(198, 123, 199) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 123, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 123, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 123, 199); box-shadow:4px 4px 4px 4px rgb(198, 123, 199) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 49.397, 326.093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 123, 199) }
```

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

```
.background{ background-color: rgb(198,  
123, 199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor