

Converting Colors

CIELCh(64, 42.557, 308.030)

Have a look what the booklet for
CIELCh(64, 42.557, 308.030)
contains.

CIELCh(64, 42.702, 308.114)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(64, 42.702, 308.114)

Conversions

Conversions Part 1

Format	Color
Hex	AC8DD7
RGB	172, 141, 215
RGB Percent	67%, 55%, 84%
CMY	0.3248, 0.4464, 0.1562
CMYK	0.20, 0.34, 0.00, 0.16
HSL	265°, 48%, 70%
HSV	265°, 34%, 84%
XYZ	38.8864, 32.8017, 68.6875
YIQ	158.7050, -5.2780, 29.5860

Conversions

Conversions Part 2

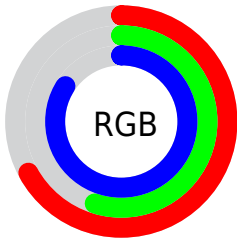
Format	Color
RYB	172, 141, 215
Decimal	11308503
CIELab	64.00, 26.36, -33.60
CIELCh	64, 42.702, 308.114
Yxy	32.8017, 0.2770, 0.2337
Android (android.graphics.Color)	4289498583 (0xFFAC8DD7)
YUV	158.7050, 27.7534, 11.6597
Hunter-Lab	57.2727, 20.9686, -31.0158

Details

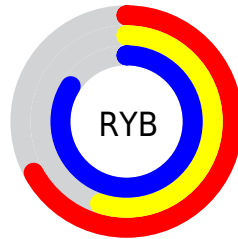
The CIELCh color $64, 42.702, 308.114$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $82, 40.289, 124.478$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 33.765, 311.868$, and $44, 43.025, 308.070$ is the 20% darker color. If you saturate the color by 10%, you get $58, 55.745, 308.770$, and if you desaturate by 10%, it is $70, 29.867, 307.489$.

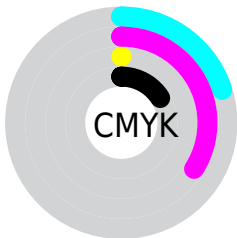
Distribution



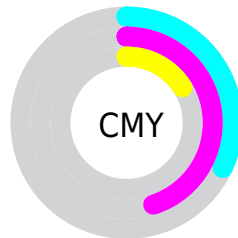
- Red (67%)
- Green (55%)
- Blue (84%)



- Red (67%)
- Yellow (55%)
- Blue (84%)



- Cyan (20%)
- Magenta (34%)
- Yellow (0%)
- Black (16%)




- Cyan (32%)
- Magenta (45%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 42.702, 308.114 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 64, 42.702, 308.114 by changing the saturation by 10% instead.

 64, 42.702,
308.114


 64, 42.702,
308.114

 100, 42.702,
308.114


 54, 42.702,
308.114


 84, 42.702,
308.114

 44, 42.702,
308.114

 94, 42.702,
308.114

 34, 42.702,
308.114

 24, 42.702,
308.114

 14, 42.702,
308.114

 4, 42.702, 308.114

 0, 42.702, 308.114

64, 42.702,
308.114

64, 42.702,
308.114

58, 55.745,
308.770

70, 29.867,
307.489

52, 68.782,
309.423

77, 17.358,
306.912

46, 81.415,
310.017

83, 5.222, 306.381

41, 92.993,
310.460

90, 6.526, 125.952

37, 102.589,
310.625

96, 17.889,
125.536

33, 109.199,
310.373

99, 20.367,
116.769

32, 111.808,
310.105

99, 20.130,
108.654

Harmonies

Complementary

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



64, 42.702, 308.114



82, 40.289, 124.478

Rectangle

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



64, 42.702, 308.114



64, 42.702, 358.114



64, 42.702, 128.114



64, 42.702, 178.114

Sweetspot

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



64, 42.700, 308.114



93, 13.747, 306.680



73, 21.276, 251.050



48, 9.400, 306.756



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 42.700, 308.114



70, 58.907, 308.571



68, 46.753, 323.857



42, 6.766, 306.644



25, 93.969, 310.276



3, 28.516, 305.378

Inverse Universe

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



67, 35.983, 342.499



75, 49.032, 343.251



80, 46.520, 139.983



42, 5.846, 340.215



37, 64.284, 354.339



5, 24.510, 348.653

Previews

White Background



This preview shows how the CIELCh color 64, 42.702, 308.114 looks on a white background.

Color Contrast Check

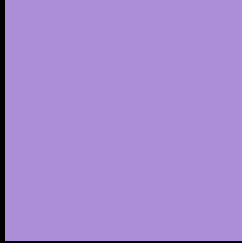
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 64, 42.702, 308.114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

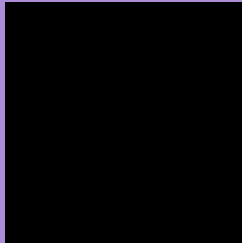
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 42.702, 308.114

Background



This preview shows how black text looks on a background with the CIELCh color 64, 42.702, 308.114.



This preview shows how white text looks on a background with the CIELCh color 64, 42.702, 308.114.

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


64, 42.702, 308.114

Protanopia

64, 39.787, 285.190

Deuteranopia

64, 33.641, 285.099



Tritanopia
64, 7.923, 322.509

Trichromacy



Original Color
64, 42.702, 308.114

Protanomaly
64, 40.157, 293.420

Deuteranomaly
64, 36.301, 294.431

Tritanomaly
64, 20.698, 310.432

Monochromacy



Original Color
64, 42.702, 308.114

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 15.089, 307.054

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 42.702, 308.114 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(172, 141, 215)` looks like.

```
.text, #text, p{  
    color:rgb(172, 141, 215)  
}
```

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(172, 141, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 141, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 42.702, 308.114 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(172, 141, 215) }
```

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

```
.border{ border-color:rgb(172, 141, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 141, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 141, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 141, 215);  
box-shadow:4px 4px 4px 4px rgb(172, 141,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 42.702, 308.114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 141, 215) }
```

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

```
.background{ background-color: rgb(172,  
141, 215) }
```

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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