

Converting Colors

CIELCh(64, 42.282, 302.763)

Have a look what the booklet for
CIELCh(64, 42.282, 302.763)
contains.

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Color

CIELCh(64, 42.447, 302.671)

Conversions

Conversions Part 1

Format	Color
Hex	A390DB
RGB	163, 144, 219
RGB Percent	64%, 56%, 86%
CMY	0.3612, 0.4357, 0.1416
CMYK	0.26, 0.34, 0.00, 0.14
HSL	255°, 51%, 71%
HSV	255°, 34%, 86%
XYZ	37.8142, 32.8017, 71.2831
YIQ	158.2310, -12.7510, 27.3530

Conversions

Conversions Part 2

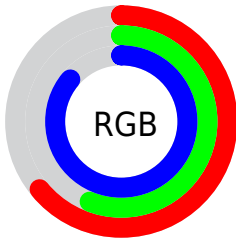
Format	Color
RYB	163, 144, 219
Decimal	10719451
CIELab	64.00, 22.91, -35.73
CIELCh	64, 42.447, 302.671
Yxy	32.8017, 0.2665, 0.2312
Android (android.graphics.Color)	4288909531 (0xFFA390DB)
YUV	158.2310, 29.9591, 4.1824
Hunter-Lab	57.2727, 17.6269, -33.7029

Details

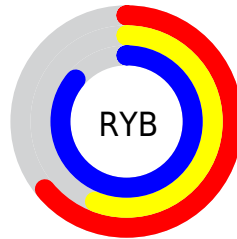
The CIELCh color $64, 42.447, 302.671$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $84, 39.401, 117.891$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 31.100, 305.641$, and $44, 42.968, 303.048$ is the 20% darker color. If you saturate the color by 10%, you get $57, 55.758, 303.660$, and if you desaturate by 10%, it is $71, 29.519, 301.778$.

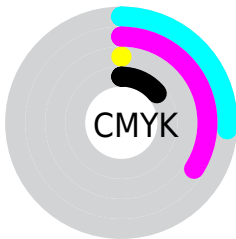
Distribution



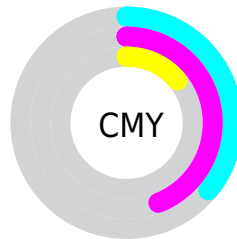
- Red (64%)
- Green (56%)
- Blue (86%)



- Red (64%)
- Yellow (56%)
- Blue (86%)



- Cyan (26%)
- Magenta (34%)
- Yellow (0%)
- Black (14%)





- Cyan (36%)
- Magenta (44%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 42.447, 302.671 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, 42.447, 302.671 by changing the saturation by 10% instead.


 64, 42.447,
302.671


 64, 42.447,
302.671


 100, 42.447,
302.671


 54, 42.447,
302.671


 84, 42.447,
302.671

 44, 42.447,
302.671

 94, 42.447,
302.671

 34, 42.447,
302.671

 24, 42.447,
302.671

 14, 42.447,
302.671

 4, 42.447, 302.671

 0, 42.447, 302.671

64, 42.447,
302.671

64, 42.447,
302.671

57, 55.758,
303.660

71, 29.519,
301.778

51, 69.307,
304.720

78, 17.035,
300.989

44, 82.754,
305.793

84, 5.001, 300.294

39, 95.436,
306.768

91, 6.596, 119.707

34, 106.249,
307.475

98, 17.776,
119.188

31, 113.792,
307.709

99, 18.256,
108.797

29, 116.735,
307.683

Harmonies

Complementary

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



64, 42.447, 302.671



84, 39.401, 117.891

Rectangle

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



64, 42.447, 302.671



64, 42.447, 352.671



64, 42.447, 122.671



64, 42.447, 172.671

Sweetspot

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



64, 42.446, 302.671



92, 13.421, 300.688



78, 20.336, 228.117



48, 9.180, 300.788



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, 42.446, 302.671



68, 58.193, 303.364



68, 45.511, 318.774



42, 6.734, 300.643



22, 97.934, 307.808



2, 30.047, 301.123

Inverse Universe

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



69, 40.571, 334.837



75, 54.605, 335.388



82, 44.599, 135.540



43, 6.704, 333.049



39, 71.378, 341.504



6, 28.925, 338.705

Previews

White Background



This preview shows how the CIELCh color 64, 42.447, 302.671 looks on a white background.

Color Contrast Check

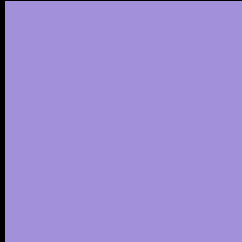
Large Text (above 18pt) WCAG AA × Fail

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, 42.447, 302.671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

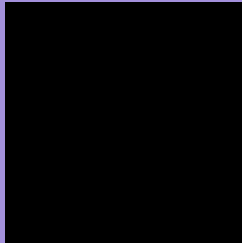
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 42.447, 302.671

Background



This preview shows how black text looks on a background with the CIELCh color 64, 42.447, 302.671.



This preview shows how white text looks on a background with the CIELCh color 64, 42.447, 302.671.

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, 42.447, 302.671

Protanopia
64, 40.903, 285.207

Deuteranopia
64, 35.924, 284.542



Tritanopia
64, 7.260, 288.043

Trichromacy



Original Color
64, 42.447, 302.671

Protanomaly
64, 40.692, 291.343

Deuteranomaly
64, 37.921, 291.733

Tritanomaly
64, 20.331, 299.266

Monochromacy



Original Color
64, 42.447, 302.671

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 15.311, 301.244

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 42.447, 302.671 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(163, 144, 219)` looks like.

```
.text, #text, p{  
    color:rgb(163, 144, 219)  
}
```

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(163, 144, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 144, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 42.447, 302.671 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(163, 144, 219) }
```

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

```
.border{ border-color:rgb(163, 144, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 144, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 144, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 144, 219); box-shadow:4px 4px 4px 4px rgb(163, 144, 219) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 42.447, 302.671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 144, 219) }
```

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

```
.background{ background-color: rgb(163,  
144, 219) }
```

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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