

Converting Colors

CIELCh(64, 36.836, 302.118)

Have a look what the booklet for
CIELCh(64, 36.836, 302.118)
contains.

| | |
|--|----|
| CIELCh(64, 36.795, 302.106) | 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, 36.795, 302.106)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A292D3 |
| RGB | 162, 146, 211 |
| RGB Percent | 64%, 57%, 83% |
| CMY | 0.3659, 0.4286, 0.1738 |
| CMYK | 0.23, 0.31, 0.00, 0.17 |
| HSL | 255°, 42%, 70% |
| HSV | 255°, 31%, 83% |
| XYZ | 36.7879, 32.8017, 65.8100 |
| YIQ | 158.1940, -11.3290, 23.6070 |

Conversions

Conversions Part 2

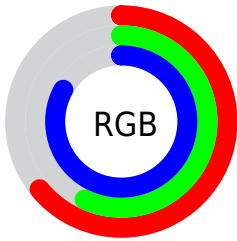
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 162, 146, 211 |
| Decimal | 10654419 |
| CIE Lab | 64.00, 19.56, -31.17 |
| CIE LCh | 64, 36.795, 302.106 |
| Yxy | 32.8017, 0.2717, 0.2423 |
| Android (android.graphics.Color) | 4288844499 (0xFFA292D3) |
| YUV | 158.1940, 26.0334, 3.3379 |
| Hunter-Lab | 57.2727, 14.4283, -28.0370 |

Details

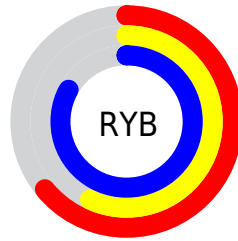
The CIELCh color $64, 36.795, 302.106$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $82, 34.436, 117.808$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 29.812, 304.159$, and $44, 36.968, 302.293$ is the 20% darker color. If you saturate the color by 10%, you get $57, 49.580, 303.077$, and if you desaturate by 10%, it is $71, 24.412, 301.238$.

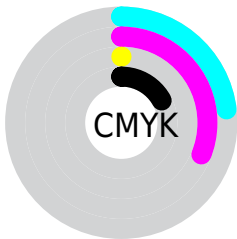
Distribution



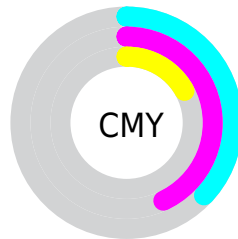
- Red (64%)
- Green (57%)
- Blue (83%)



- Red (64%)
- Yellow (57%)
- Blue (83%)



- Cyan (23%)
- Magenta (31%)
- Yellow (0%)
- Black (17%)





- Cyan (37%)
- Magenta (43%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 36.795, 302.106 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, 36.795, 302.106 by changing the saturation by 10% instead.

 64, 36.795,
302.106


 64, 36.795,
302.106


 100, 36.795,
302.106


 54, 36.795,
302.106


 84, 36.795,
302.106

 44, 36.795,
302.106

 94, 36.795,
302.106

 34, 36.795,
302.106

 24, 36.795,
302.106

 14, 36.795,
302.106

 4, 36.795, 302.106

 0, 36.795, 302.106

64, 36.795,
302.106

64, 36.795,
302.106

57, 49.580,
303.077

71, 24.412,
301.238

51, 62.669,
304.135

77, 12.468,
300.473

45, 75.814,
305.234

84, 0.959, 299.780

39, 88.505,
306.286

90, 10.133,
119.239

34, 99.827,
307.140

97, 20.828,
118.741

30, 108.468,
307.593

99, 22.387,
108.481

28, 113.521,
307.626

Harmonies

Complementary

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



64, 36.795, 302.106



82, 34.436, 117.808

Rectangle

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



64, 36.795, 302.106



64, 36.795, 352.106



64, 36.795, 122.106



64, 36.795, 172.106

Sweetspot

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



64, 36.793, 302.106



93, 12.048, 300.350



76, 18.033, 225.430



49, 8.394, 300.454



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, 36.793, 302.106



71, 52.139, 302.732



67, 39.547, 318.104



41, 6.469, 300.371



21, 95.876, 307.749



2, 25.860, 299.411

Inverse Universe

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



68, 35.641, 334.283



78, 49.729, 334.775



80, 38.769, 135.257



41, 6.480, 332.769



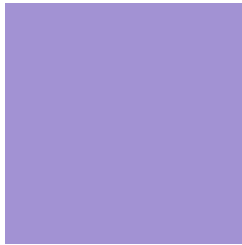
38, 70.201, 340.983



5, 25.726, 337.957

Previews

White Background



This preview shows how the CIELCh color 64, 36.795, 302.106 looks on a white background.

Color Contrast Check

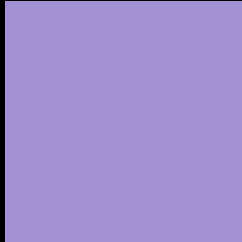
Large Text (above 18pt) WCAG AA × Fail

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, 36.795, 302.106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

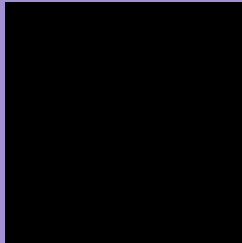
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 36.795, 302.106

Background



This preview shows how black text looks on a background with the CIELCh color 64, 36.795, 302.106.



This preview shows how white text looks on a background with the CIELCh color 64, 36.795, 302.106.

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, 36.795, 302.106

Protanopia

64, 35.308, 285.258

Deuteranopia

64, 31.357, 285.834



Tritanopia
64, 7.256, 290.961

Trichromacy



Original Color
64, 36.795, 302.106

Protanomaly
64, 35.715, 291.346

Deuteranomaly
64, 33.489, 292.556

Tritanomaly
64, 18.051, 298.852

Monochromacy



Original Color
64, 36.795, 302.106

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 12.979, 299.569

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 36.795, 302.106 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(162, 146, 211)` looks like.

```
.text, #text, p{  
    color:rgb(162, 146, 211)  
}
```

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(162, 146, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 146, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 36.795, 302.106 is called "border". The border property can be set on classes, ids or directly on the HTML element.

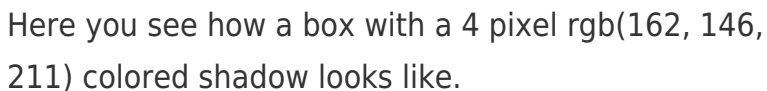
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(162, 146, 211) }
```

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

```
.border{ border-color:rgb(162, 146, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(162, 146, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 146, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 146, 211);  
box-shadow:4px 4px 4px 4px rgb(162, 146,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 36.795, 302.106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 146, 211) }
```

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

```
.background{ background-color: rgb(162,  
146, 211) }
```

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