

Converting Colors

CIELCh(64, 28.166, 305.119)

Have a look what the booklet for
CIELCh(64, 28.166, 305.119)
contains.

CIELCh(64, 28.119, 305.054)	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(64, 28.119, 305.054)

Conversions

Conversions Part 1

Format	Color
Hex	A493C4
RGB	164, 147, 196
RGB Percent	64%, 58%, 77%
CMY	0.3564, 0.4230, 0.2309
CMYK	0.16, 0.25, 0.00, 0.23
HSL	261°, 29%, 67%
HSV	261°, 25%, 77%
XYZ	35.7659, 32.8017, 56.7466
YIQ	157.6690, -5.5970, 18.8430

Conversions

Conversions Part 2

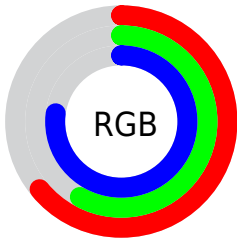
Format	Color
RYB	164, 147, 196
Decimal	10785732
CIELab	64.00, 16.15, -23.02
CIELCh	64, 28.119, 305.054
Yxy	32.8017, 0.2854, 0.2618
Android (android.graphics.Color)	4288975812 (0xFFA493C4)
YUV	157.6690, 18.8972, 5.5523
Hunter-Lab	57.2727, 11.2431, -18.6544

Details

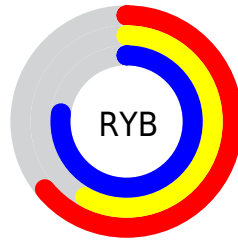
The CIELCh color $64, 28.119, 305.054$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $77, 26.860, 122.212$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 28.246, 304.747$, and $44, 28.312, 305.554$ is the 20% darker color. If you saturate the color by 10%, you get $58, 39.992, 305.778$, and if you desaturate by 10%, it is $70, 16.587, 304.397$.

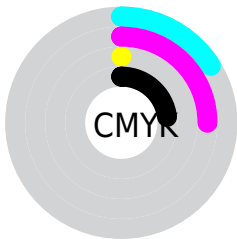
Distribution



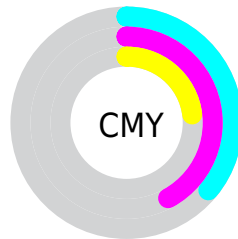
- Red (64%)
- Green (58%)
- Blue (77%)



- Red (64%)
- Yellow (58%)
- Blue (77%)



- Cyan (16%)
- Magenta (25%)
- Yellow (0%)
- Black (23%)




- Cyan (36%)
- Magenta (42%)
- Yellow (23%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 28.119, 305.054 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, 28.119, 305.054 by changing the saturation by 10% instead.

 64, 28.119,
305.054


 64, 28.119,
305.054


 100, 28.119,
305.054

 54, 28.119,
305.054


 84, 28.119,
305.054


 44, 28.119,
305.054

 94, 28.119,
305.054

 34, 28.119,
305.054

 24, 28.119,
305.054

 14, 28.119,
305.054

 4, 28.119, 305.054

 0, 28.119, 305.054

64, 28.119,
305.054

64, 28.119,
305.054

58, 39.992,
305.778

70, 16.587,
304.397

52, 52.130,
306.557

76, 5.431, 303.806

82, 5.349, 123.317

46, 64.355,
307.361

88, 15.761,
122.861

41, 76.321,
308.131

94, 25.822,
122.471

36, 87.427,
308.769

98, 30.186,
117.967

32, 96.756,
309.134

99, 29.671,
108.813

29, 103.246,
309.062

99, 29.665,
107.923

27, 105.734,

308.948

Harmonies

Complementary

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



64, 28.119, 305.054



77, 26.860, 122.212

Rectangle

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



64, 28.119, 305.054



64, 28.119, 355.054



64, 28.119, 125.054



64, 28.119, 175.054

Sweetspot

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



64, 28.117, 305.053



95, 9.465, 303.928



71, 14.025, 238.380



50, 6.156, 303.963



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, 28.117, 305.053



77, 42.146, 305.443



66, 30.878, 320.925



38, 6.156, 304.058



22, 91.032, 309.094



2, 19.816, 300.466

Inverse Universe

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



66, 25.430, 338.113



81, 37.793, 338.578



75, 30.591, 138.479



38, 5.663, 336.877



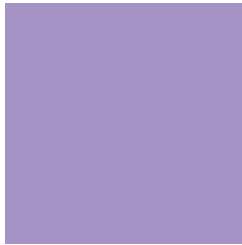
35, 63.662, 348.201



3, 17.559, 343.040

Previews

White Background



This preview shows how the CIELCh color 64, 28.119, 305.054 looks on a white background.

Color Contrast Check

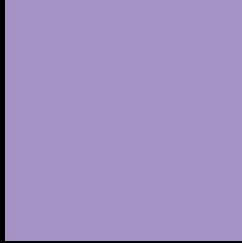
Large Text (above 18pt) WCAG AA × Fail

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 64, 28.119, 305.054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

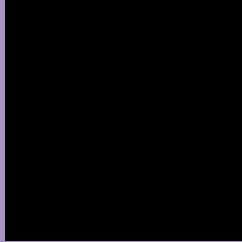
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 28.119, 305.054

Background



This preview shows how black text looks on a background with the CIELCh color 64, 28.119, 305.054.



This preview shows how white text looks on a background with the CIELCh color 64, 28.119, 305.054.

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, 28.119, 305.054

Protanopia

64, 26.878, 285.956

Deuteranopia

64, 23.998, 291.081



Tritanopia
64, 7.098, 309.370

Trichromacy



Original Color
64, 28.119, 305.054

Protanomaly
64, 26.806, 292.985

Deuteranomaly
64, 25.246, 296.696

Tritanomaly
64, 14.491, 306.224

Monochromacy



Original Color
64, 28.119, 305.054

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 10.309, 303.625

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 28.119, 305.054 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(164, 147, 196)` looks like.

```
.text, #text, p{  
    color:rgb(164, 147, 196)  
}
```

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(164, 147, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 147, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 28.119, 305.054 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(164, 147, 196) }
```

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

```
.border{ border-color:rgb(164, 147, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 147, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 147, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 147, 196);  
box-shadow:4px 4px 4px 4px rgb(164, 147,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 28.119, 305.054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 147, 196) }
```

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

```
.background{ background-color: rgb(164,  
147, 196) }
```

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