

Converting Colors

CIELCh(65, 40.449, 310.125)

Have a look what the booklet for
CIELCh(65, 40.449, 310.125)
contains.

CIELCh(65, 40.096, 309.943)	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(65, 40.096, 309.943)

Conversions

Conversions Part 1

Format	Color
Hex	B190D5
RGB	177, 144, 213
RGB Percent	69%, 56%, 84%
CMY	0.3063, 0.4357, 0.1651
CMYK	0.17, 0.32, 0.00, 0.17
HSL	269°, 45%, 70%
HSV	269°, 32%, 83%
XYZ	40.0597, 34.0472, 67.3363
YIQ	161.7330, -2.4810, 28.4550

Conversions

Conversions Part 2

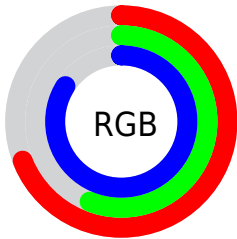
Format	Color
RYB	177, 144, 213
Decimal	11636949
CIELab	65.00, 25.74, -30.74
CIElCh	65, 40.096, 309.943
Yxy	34.0472, 0.2832, 0.2407
Android (android.graphics.Color)	4289827029 (0xFFB190D5)
YUV	161.7330, 25.2746, 13.3892
Hunter-Lab	58.3500, 20.4352, -27.5761

Details

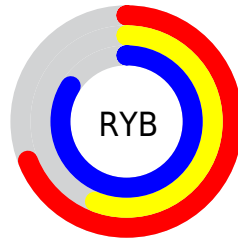
The CIELCh color `65, 40.096, 309.943` is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be `81, 38.214, 126.773`, and the grayscale version is `66, 0.008, 296.813`.

A 20% lighter version of the original color is `84, 32.443, 313.922`, and `45, 40.177, 309.857` is the 20% darker color. If you saturate the color by 10%, you get `59, 52.990, 310.513`, and if you desaturate by 10%, it is `71, 27.374, 309.391`.

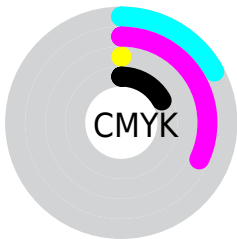
Distribution



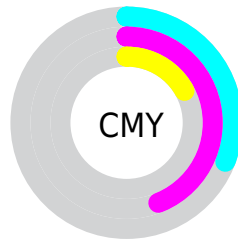
- Red (69%)
- Green (56%)
- Blue (84%)



- Red (69%)
- Yellow (56%)
- Blue (84%)



- Cyan (17%)
- Magenta (32%)
- Yellow (0%)
- Black (17%)





- Cyan (31%)
- Magenta (44%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 40.096, 309.943 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 65, 40.096, 309.943 by changing the saturation by 10% instead.


 65, 40.096,
309.943


 65, 40.096,
309.943


 100, 40.096,
309.943


 55, 40.096,
309.943


 85, 40.096,
309.943

 45, 40.096,
309.943

 95, 40.096,
309.943

 35, 40.096,
309.943

 25, 40.096,
309.943

 15, 40.096,
309.943

 5, 40.096, 309.943

 0, 40.096, 309.943

65, 40.096,
309.943

65, 40.096,
309.943

59, 52.990,
310.513

71, 27.374,
309.391

53, 65.843,
311.071

77, 14.944,
308.873

48, 78.277,
311.565

84, 2.863, 308.370

43, 89.698,
311.915

90, 8.850, 128.002

38, 99.276,
312.014

96, 20.193,
127.620

35, 106.106,
311.739

98, 21.745,
119.750

33, 109.521,
311.308

99, 21.280,
108.920

99, 21.278,
108.566

Harmonies

Complementary

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



65, 40.096, 309.943



81, 38.214, 126.773

Rectangle

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



65, 40.096, 309.943



65, 40.096, 359.943



65, 40.096, 129.943



65, 40.096, 179.943

Sweetspot

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



65, 40.094, 309.943



93, 13.899, 308.759



72, 20.795, 256.800



48, 9.502, 308.829



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 40.094, 309.943



72, 56.272, 310.342



68, 44.255, 325.229



42, 6.841, 308.725



26, 92.807, 311.479



3, 28.836, 307.559

Inverse Universe

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



68, 32.402, 345.481



76, 45.080, 346.294



79, 44.187, 141.354



42, 5.611, 343.224



37, 63.081, 359.692



5, 23.760, 352.789

Previews

White Background



This preview shows how the CIELCh color 65, 40.096, 309.943 looks on a white background.

Color Contrast Check

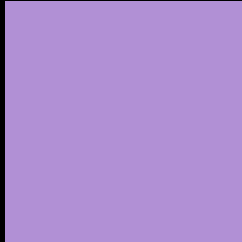
Large Text (above 18pt) WCAG AA × Fail

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 65, 40.096, 309.943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

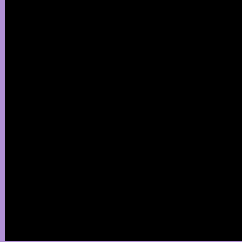
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 40.096, 309.943

Background



This preview shows how black text looks on a background with the CIELCh color 65, 40.096, 309.943.




This preview shows how white text looks on a background with the CIELCh color 65, 40.096, 309.943.

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





Tritanopia
65, 9.066, 332.913

Trichromacy



Original Color
65, 40.096, 309.943

Protanomaly
65, 37.272, 293.974

Deuteranomaly
65, 34.057, 296.397

Tritanomaly
65, 19.626, 316.065

Monochromacy



Original Color
65, 40.096, 309.943

Achromatopsia
67, 0.008, 296.813

Achromatomaly
66, 15.156, 308.386

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 40.096, 309.943 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(177, 144, 213)` looks like.

```
.text, #text, p{  
    color:rgb(177, 144, 213)  
}
```

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(177, 144, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 144, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 40.096, 309.943 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(177, 144, 213) }
```

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

```
.border{ border-color:rgb(177, 144, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 144, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 144, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 144, 213);  
box-shadow:4px 4px 4px 4px rgb(177, 144,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 40.096, 309.943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 144, 213) }
```

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

```
.background{ background-color: rgb(177,  
144, 213) }
```

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