

Converting Colors

CIELCh(64, 16.663, 310.356)

Have a look what the booklet for
CIELCh(64, 16.663, 310.356)
contains.

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Color

CIELCh(64, 16.522, 309.777)

Conversions

Conversions Part 1

Format	Color
Hex	A496B2
RGB	164, 150, 178
RGB Percent	64%, 59%, 70%
CMY	0.3579, 0.4127, 0.3030
CMYK	0.08, 0.16, 0.00, 0.30
HSL	270°, 15%, 64%
HSV	270°, 16%, 70%
XYZ	34.1330, 32.8017, 46.5152
YIQ	157.3780, -0.6440, 11.6760

Conversions

Conversions Part 2

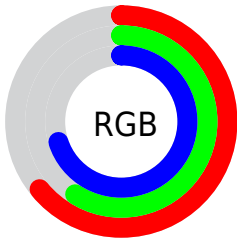
Format	Color
RYB	164, 150, 178
Decimal	10786482
CIELab	64.00, 10.57, -12.70
CIELCh	64, 16.522, 309.777
Yxy	32.8017, 0.3009, 0.2891
Android (android.graphics.Color)	4288976562 (0xFFA496B2)
YUV	157.3780, 10.1666, 5.8075
Hunter-Lab	57.2727, 6.1539, -8.0626

Details

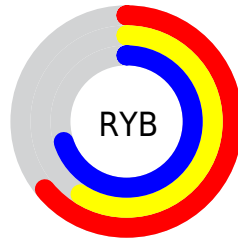
The CIELCh color $64, 16.522, 309.777$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $71, 16.173, 128.372$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 16.757, 309.647$, and $44, 16.464, 309.999$ is the 20% darker color. If you saturate the color by 10%, you get $59, 27.368, 310.283$, and if you desaturate by 10%, it is $69, 5.948, 309.298$.

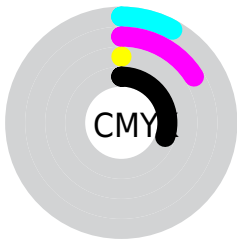
Distribution



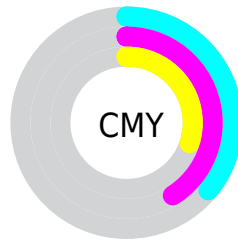
- Red (64%)
- Green (59%)
- Blue (70%)



- Red (64%)
- Yellow (59%)
- Blue (70%)



- Cyan (8%)
- Magenta (16%)
- Yellow (0%)
- Black (30%)





- Cyan (36%)
- Magenta (41%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 16.522, 309.777 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, 16.522, 309.777 by changing the saturation by 10% instead.

 64, 16.522,
309.777


 64, 16.522,
309.777


 100, 16.522,
309.777


 54, 16.522,
309.777


 84, 16.522,
309.777

 44, 16.522,
309.777

 94, 16.522,
309.777

 34, 16.522,
309.777

 24, 16.522,
309.777

 14, 16.522,
309.777

 4, 16.522, 309.777

 0, 16.522, 309.777

64, 16.522,
309.777

64, 16.522,
309.777

59, 27.368,
310.283

69, 5.948, 309.298

53, 38.425,
310.815

75, 4.320, 128.917

48, 49.565,
311.353

80, 14.275,
128.520

43, 60.564,
311.860

86, 23.920,
128.180

39, 71.053,
312.282

91, 33.265,
127.882

35, 80.476,
312.536

96, 41.527,
127.318

31, 88.116,
312.517

96, 40.436,
123.023

29, 93.304,

97, 39.591,
118.429

312.123

■ 98, 39.027,
113.589

■ 28, 95.152,
311.928

Harmonies

Complementary

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



64, 16.522, 309.777



71, 16.173, 128.372

Rectangle

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



64, 16.522, 309.777



64, 16.522, 359.777



64, 16.522, 129.777



64, 16.522, 179.777

Sweetspot

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



64, 16.520, 309.776



89, 6.422, 309.266



67, 8.987, 255.734



47, 4.421, 309.299



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



64, 16.520, 309.776



79, 24.878, 309.954



65, 18.667, 324.821



35, 5.909, 309.467



23, 85.091, 312.061



1, 13.840, 305.231

Inverse Universe

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



65, 13.275, 344.960



81, 19.962, 345.302



70, 18.640, 143.069



35, 4.756, 344.369



32, 57.951, 1.310



2, 10.605, 349.859

Previews

White Background



This preview shows how the CIELCh color 64, 16.522, 309.777 looks on a white background.

Color Contrast Check

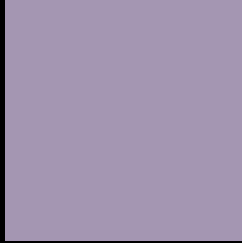
Large Text (above 18pt) WCAG AA × Fail

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, 16.522, 309.777 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, 16.522, 309.777

Background



This preview shows how black text looks on a background with the CIELCh color 64, 16.522, 309.777.



This preview shows how white text looks on a background with the CIELCh color 64, 16.522, 309.777.

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, 16.522, 309.777

Protanopia

64, 14.543, 286.119

Deuteranopia

64, 14.944, 304.344



Tritanopia
64, 7.729, 320.099

Trichromacy



Original Color
64, 16.522, 309.777

Protanomaly
64, 15.145, 295.854

Deuteranomaly
64, 15.030, 305.709

Tritanomaly
64, 11.056, 315.092

Monochromacy



Original Color
64, 16.522, 309.777

Achromatopsia
65, 0.008, 296.813

Achromatomaly
64, 6.442, 307.754

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 16.522, 309.777 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, 150, 178)` looks like.

```
.text, #text, p{  
    color:rgb(164, 150, 178)  
}
```

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, 150, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 150, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 16.522, 309.777 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, 150, 178) }
```

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

```
.border{ border-color:rgb(164, 150, 178) }
```

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

Here you see how a box with a 4 pixel rgb(164, 150, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 150, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 150, 178);  
box-shadow:4px 4px 4px 4px rgb(164, 150,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 16.522, 309.777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 150, 178) }
```

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

```
.background{ background-color: rgb(164,  
150, 178) }
```

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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