

Converting Colors

CIELCh(64, 4.800, 199.079)

Have a look what the booklet for
CIELCh(64, 4.800, 199.079) contains.

CIELCh(64, 4.868, 199.060)	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, 4.868, 199.060)

Conversions

Conversions Part 1

Format	Color
Hex	919E9E
RGB	145, 158, 158
RGB Percent	57%, 62%, 62%
CMY	0.4325, 0.3816, 0.3816
CMYK	0.08, 0.00, 0.00, 0.38
HSL	180°, 6%, 59%
HSV	180°, 8%, 62%
XYZ	29.9456, 32.8017, 36.9646
YIQ	154.1130, -7.7480, -2.7560

Conversions

Conversions Part 2

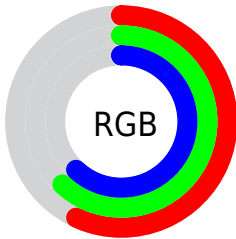
Format	Color
RYB	145, 152, 158
Decimal	9543326
CIELab	64.00, -4.60, -1.59
CIElCh	64, 4.868, 199.060
Yxy	32.8017, 0.3003, 0.3290
Android (android.graphics.Color)	4287733406 (0xFF919E9E)
YUV	154.1130, 1.9163, -7.9921
Hunter-Lab	57.2727, -6.8970, 1.8243

Details

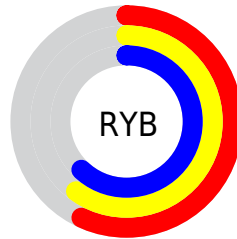
The CIELCh color `64, 4.868, 199.060` is a light color, and the websafe version is hex `999999`. A complement of this color would be `61, 5.122, 19.807`, and the grayscale version is `64, 0.008, 296.813`.

A 20% lighter version of the original color is `84, 4.977, 199.160`, and `44, 4.790, 198.905` is the 20% darker color. If you saturate the color by 10%, you get `63, 10.489, 198.489`, and if you desaturate by 10%, it is `65, 1.063, 19.052`.

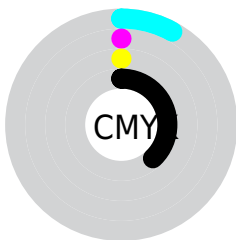
Distribution



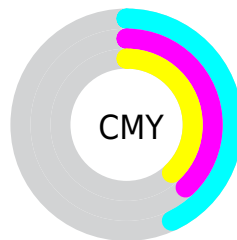
- Red (57%)
- Green (62%)
- Blue (62%)



- Red (57%)
- Yellow (60%)
- Blue (62%)



- Cyan (8%)
- Magenta (0%)
- Yellow (0%)
- Black (38%)



- Cyan (43%)
- Magenta (38%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 4.868, 199.060 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, 4.868, 199.060 by changing the saturation by 10% instead.

■ 64, 4.868, 199.060

■ 64, 4.868, 199.060

■ 100, 4.868,
199.060

■ 54, 4.868, 199.060

■ 84, 4.868, 199.060

■ 44, 4.868, 199.060

■ 94, 4.868, 199.060

■ 34, 4.868, 199.060

■ 24, 4.868, 199.060

■ 14, 4.868, 199.060

■ 4, 4.868, 199.060

■ 0, 4.868, 199.060

■ 64, 4.868, 199.060

■ 64, 4.868, 199.060

■ 63, 10.489,

■ 65, 1.063, 19.052

198.489

67, 7.224, 19.991

62, 15.707,
198.015

68, 13.544, 20.610

61, 20.430,
197.598

70, 19.963, 21.224

60, 24.569,
197.240

71, 26.432, 21.841

60, 28.047,
196.943

73, 32.915, 22.459

59, 30.811,
196.711

75, 39.342, 23.071

59, 32.839,
196.541

75, 39.342, 23.068

59, 34.153,
196.431

59, 34.886,
196.369

Harmonies

Complementary

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



64, 4.868, 199.060



61, 5.122, 19.807

Rectangle

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



64, 4.868, 199.060



64, 4.868, 249.060



64, 4.868, 19.060



64, 4.868, 69.060

Sweetspot

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



64, 4.869, 199.044



82, 1.477, 199.659



64, 8.811, 143.564



43, 0.838, 199.690



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



64, 4.869, 199.044



81, 7.251, 198.925



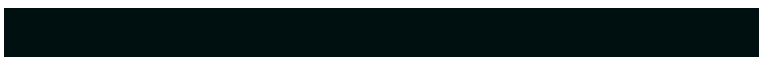
62, 4.288, 254.686



33, 3.339, 198.981



54, 32.548, 196.359



3, 4.473, 199.403

Inverse Universe

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



61, 5.122, 19.807



76, 7.721, 19.958



63, 4.375, 72.558



31, 3.534, 19.885



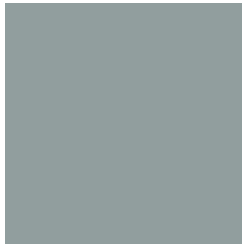
29, 67.086, 39.154



1, 4.473, 19.391

Previews

White Background



This preview shows how the CIELCh color 64, 4.868, 199.060 looks on a white background.

Color Contrast Check

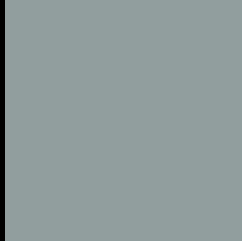
Large Text (above 18pt) WCAG AA × Fail

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, 4.868, 199.060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

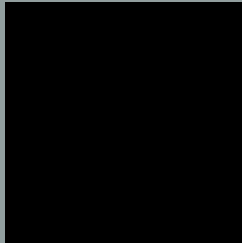
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

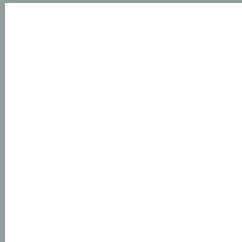
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 4.868, 199.060

Background



This preview shows how black text looks on a background with the CIELCh color 64, 4.868, 199.060.



This preview shows how white text looks on a background with the CIELCh color 64, 4.868, 199.060.

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

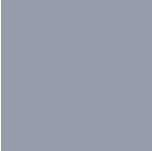
64, 4.868, 199.060

Protanopia

64, 1.616, 335.615

Deuteranopia

64, 8.578, 344.495



Tritanopia
64, 7.389, 264.457

Trichromacy



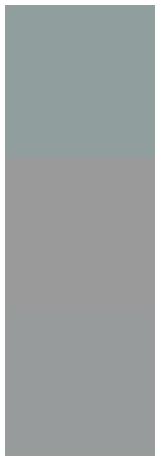
Original Color
64, 4.868, 199.060

Protanomaly
64, 1.345, 255.951

Deuteranomaly
64, 4.309, 328.807

Tritanomaly
64, 5.568, 243.796

Monochromacy



Original Color
64, 4.868, 199.060

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 1.522, 199.565

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 4.868, 199.060 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(145, 158, 158)` looks like.

```
.text, #text, p{  
    color:rgb(145, 158, 158)  
}
```

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(145, 158, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 158, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 4.868, 199.060 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(145, 158, 158) }
```

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

```
.border{ border-color:rgb(145, 158, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 158, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 158, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 158, 158);  
box-shadow:4px 4px 4px 4px rgb(145, 158,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 4.868, 199.060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 158, 158) }
```

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

```
.background{ background-color: rgb(145,  
158, 158) }
```

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