

Converting Colors

CIELCh(64, 1.729, 203.938)

Have a look what the booklet for
CIELCh(64, 1.729, 203.938) contains.

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Color

CIELCh(64, 1.898, 199.473)

Conversions

Conversions Part 1

Format	Color
Hex	979C9C
RGB	151, 156, 156
RGB Percent	59%, 61%, 61%
CMY	0.4075, 0.3878, 0.3879
CMYK	0.03, 0.00, 0.00, 0.39
HSL	180°, 2%, 60%
HSV	180°, 3%, 61%
XYZ	30.6942, 32.8017, 36.2092
YIQ	154.5050, -2.9800, -1.0600

Conversions

Conversions Part 2

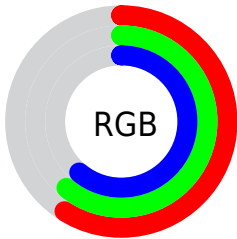
Format	Color
RYB	151, 154, 156
Decimal	9936028
CIELab	64.00, -1.79, -0.63
CIELCh	64, 1.898, 199.473
Yxy	32.8017, 0.3078, 0.3290
Android (android.graphics.Color)	4288126108 (0xFF979C9C)
YUV	154.5050, 0.7370, -3.0739
Hunter-Lab	57.2727, -4.5639, 2.6064

Details

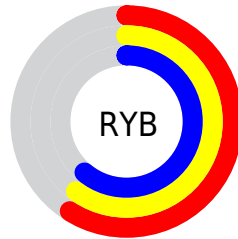
The CIELCh color $64, 1.898, 199.473$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $63, 1.938, 19.314$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 1.799, 199.591$, and $44, 2.032, 199.328$ is the 20% darker color. If you saturate the color by 10%, you get $63, 7.639, 198.724$, and if you desaturate by 10%, it is $65, 4.108, 19.630$.

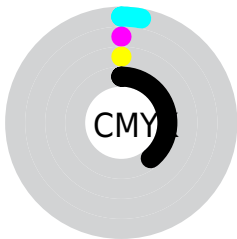
Distribution



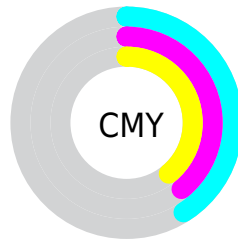
- Red (59%)
- Green (61%)
- Blue (61%)



- Red (59%)
- Yellow (60%)
- Blue (61%)



- Cyan (3%)
- Magenta (0%)
- Yellow (0%)
- Black (39%)



- Cyan (41%)
- Magenta (39%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 1.898, 199.473 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, 1.898, 199.473 by changing the saturation by 10% instead.

■ 64, 1.898, 199.473

■ 64, 1.898, 199.473

■ 100, 1.898,
199.473

■ 54, 1.898, 199.473

■ 84, 1.898, 199.473

■ 44, 1.898, 199.473

■ 94, 1.898, 199.473

■ 34, 1.898, 199.473

■ 24, 1.898, 199.473

■ 14, 1.898, 199.473

■ 4, 1.898, 199.473

■ 0, 1.898, 199.473

■ 64, 1.898, 199.473

■ 64, 1.898, 199.473

■ 63, 7.639, 198.724

■ 65, 4.108, 19.630

62, 13.027,
198.216

67, 10.305, 20.276

61, 17.972,
197.769

68, 16.628, 20.890

70, 23.023, 21.506

60, 22.382,
197.379

71, 29.449, 22.124

60, 26.173,
197.050

73, 35.872, 22.741

74, 40.072, 23.141

59, 29.280,
196.782

74, 40.071, 23.135

59, 31.664,
196.578

74, 40.070, 23.129

58, 33.324,
196.435

58, 34.305,
196.347

Harmonies

Complementary

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



64, 1.898, 199.473



63, 1.938, 19.314

Rectangle

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



64, 1.898, 199.473



64, 1.898, 249.473



64, 1.898, 19.473



64, 1.898, 69.473

Sweetspot

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



64, 1.899, 199.429



82, 0.739, 200.063



64, 3.381, 143.890



43, 0.419, 200.115



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, 1.899, 199.429



81, 2.942, 199.330



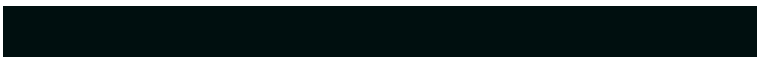
63, 1.662, 254.161



33, 1.687, 199.279



54, 32.556, 196.307



3, 4.473, 199.367

Inverse Universe

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



63, 1.938, 19.314



80, 3.017, 19.417



64, 1.664, 73.031



32, 1.736, 19.473



29, 67.074, 39.140



1, 4.473, 19.363

Previews

White Background



This preview shows how the CIELCh color 64, 1.898, 199.473 looks on a white background.

Color Contrast Check

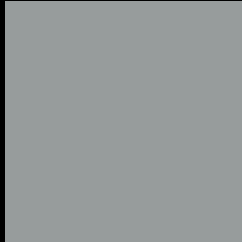
Large Text (above 18pt) WCAG AA × Fail

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, 1.898, 199.473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

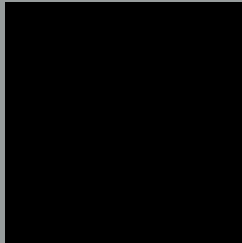
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

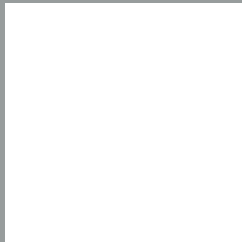
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 1.898, 199.473

Background



This preview shows how black text looks on a background with the CIELCh color 64, 1.898, 199.473.



This preview shows how white text looks on a background with the CIELCh color 64, 1.898, 199.473.

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, 1.898, 199.473

Protanopia

64, 1.644, 359.492

Deuteranopia

64, 8.341, 352.385



Tritanopia
64, 7.260, 288.043

Trichromacy



Original Color

64, 1.898, 199.473

Protanomaly

64, 0.008, 296.813

Deuteranomaly

64, 4.772, 344.077

Tritanomaly

64, 4.584, 276.525

Monochromacy



Original Color

64, 1.898, 199.473

Achromatopsia

64, 0.008, 296.813

Achromatomaly

64, 0.381, 200.568

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 1.898, 199.473 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(151, 156, 156)` looks like.

```
.text, #text, p{  
    color:rgb(151, 156, 156)  
}
```

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(151, 156, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 156, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 1.898, 199.473 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(151, 156, 156) }
```

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

```
.border{ border-color:rgb(151, 156, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 156, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 156, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 156, 156);  
box-shadow:4px 4px 4px 4px rgb(151, 156,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 1.898, 199.473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 156, 156) }
```

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

```
.background{ background-color: rgb(151,  
156, 156) }
```

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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