

Converting Colors

CIELCh(64, 10.005, 198.659)

Have a look what the booklet for
CIELCh(64, 10.005, 198.659)
contains.

CIELCh(64, 9.857, 198.574)	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, 9.857, 198.574)

Conversions

Conversions Part 1

Format	Color
Hex	85A0A0
RGB	133, 160, 160
RGB Percent	52%, 63%, 63%
CMY	0.4773, 0.3714, 0.3714
CMYK	0.17, 0.00, 0.00, 0.37
HSL	180°, 12%, 58%
HSV	180°, 17%, 63%
XYZ	28.7107, 32.8017, 38.2104
YIQ	151.9270, -16.0920, -5.7240

Conversions

Conversions Part 2

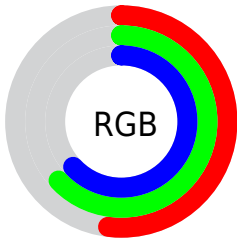
Format	Color
RYB	133, 147, 160
Decimal	8757408
CIELab	64.00, -9.34, -3.14
CIELCh	64, 9.857, 198.574
Yxy	32.8017, 0.2879, 0.3289
Android (android.graphics.Color)	4286947488 (0xFF85A0A0)
YUV	151.9270, 3.9800, -16.5990
Hunter-Lab	57.2727, -10.7456, 0.5347

Details

The CIELCh color `64, 9.857, 198.574` is a light color, and the websafe version is hex `669999`. A complement of this color would be `58, 10.970, 20.506`, and the grayscale version is `63, 0.008, 296.813`.

A 20% lighter version of the original color is `84, 10.110, 198.738`, and `44, 9.982, 198.272` is the 20% darker color. If you saturate the color by 10%, you get `63, 15.207, 198.083`, and if you desaturate by 10%, it is `65, 4.114, 199.142`.

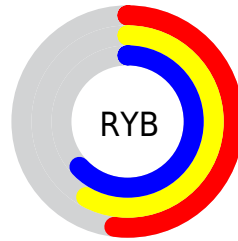
Distribution



Red (52%)

Green (63%)

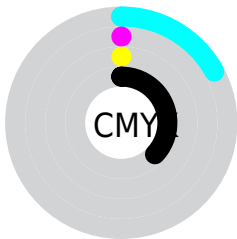
Blue (63%)



Red (52%)

Yellow (58%)

Blue (63%)

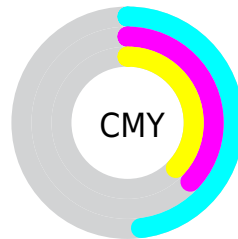


Cyan (17%)

Magenta (0%)

Yellow (0%)

Black (37%)



Cyan (48%)

Magenta (37%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 9.857, 198.574 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, 9.857, 198.574 by changing the saturation by 10% instead.

■ 64, 9.857, 198.574

■ 64, 9.857, 198.574

■ 100, 9.857,
198.574

■ 54, 9.857, 198.574

■ 84, 9.857, 198.574

■ 44, 9.857, 198.574

■ 94, 9.857, 198.574

■ 34, 9.857, 198.574

■ 24, 9.857, 198.574

■ 14, 9.857, 198.574

■ 4, 9.857, 198.574

■ 0, 9.857, 198.574

■ 64, 9.857, 198.574

■ 64, 9.857, 198.574

■ 63, 15.207,

■ 65, 4.114, 199.142

198.083

66, 1.934, 19.330

62, 20.067,
197.658

68, 8.205, 20.087

61, 24.345,
197.292

69, 14.627, 20.703

61, 27.962,
196.988

71, 21.143, 21.319

60, 30.859,
196.747

74, 34.272, 22.555

60, 33.011,
196.570

75, 38.158, 22.920

60, 34.432,
196.453

75, 38.158, 22.919

60, 35.218,
196.388

60, 35.420,
196.371

Harmonies

Complementary

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



64, 9.857, 198.574



58, 10.970, 20.506

Rectangle

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



64, 9.857, 198.574



64, 9.857, 248.574



64, 9.857, 18.574



64, 9.857, 68.574

Sweetspot

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



64, 9.858, 198.567



83, 3.744, 199.274



63, 18.341, 143.002



44, 2.545, 199.221



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



64, 9.858, 198.567



81, 14.373, 198.389



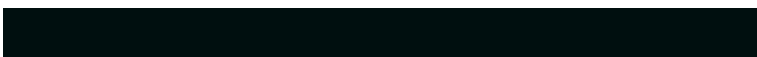
60, 8.833, 255.881



33, 3.339, 198.988



54, 32.546, 196.371



3, 4.473, 199.411

Inverse Universe

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



58, 10.970, 20.506



72, 16.388, 20.822



62, 9.258, 71.574



31, 3.535, 19.892



29, 67.088, 39.157



1, 4.473, 19.397

Previews

White Background



This preview shows how the CIELCh color 64, 9.857, 198.574 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, 9.857, 198.574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

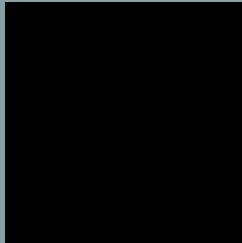
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

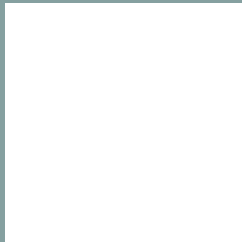
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 9.857, 198.574

Background



This preview shows how black text looks on a background with the CIELCh color 64, 9.857, 198.574.

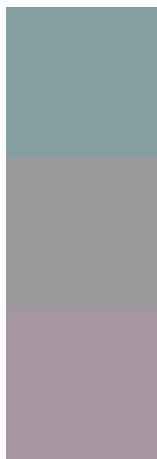


This preview shows how white text looks on a background with the CIELCh color 64, 9.857, 198.574.

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, 9.857, 198.574

Protanopia

64, 2.045, 324.439

Deuteranopia

64, 9.097, 332.924



Tritanopia
64, 10.671, 237.840

Trichromacy



Original Color
64, 9.857, 198.574

Protanomaly
64, 3.191, 219.782

Deuteranomaly
64, 3.911, 290.612

Tritanomaly
64, 9.894, 225.666

Monochromacy



Original Color
64, 9.857, 198.574

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 3.774, 199.180

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 9.857, 198.574 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(133, 160, 160)` looks like.

```
.text, #text, p{  
    color:rgb(133, 160, 160)  
}
```

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(133, 160, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 160, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 9.857, 198.574 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(133, 160, 160) }
```

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

```
.border{ border-color:rgb(133, 160, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 160, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 160, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 160, 160);  
box-shadow:4px 4px 4px 4px rgb(133, 160,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 9.857, 198.574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 160, 160) }
```

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

```
.background{ background-color: rgb(133,  
160, 160) }
```

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