

Converting Colors

CIELCh(64, 1.581, 49.042)

Have a look what the booklet for
CIELCh(64, 1.581, 49.042) contains.

CIELCh(64, 1.635, 39.135)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(64, 1.635, 39.135)

Conversions

Conversions Part 1

Format	Color
Hex	9E9A99
RGB	158, 154, 153
RGB Percent	62%, 60%, 60%
CMY	0.3794, 0.3950, 0.3990
CMYK	0.00, 0.03, 0.03, 0.38
HSL	12°, 3%, 61%
HSV	12°, 3%, 62%
XYZ	31.5223, 32.8017, 34.9198
YIQ	155.0820, 2.7050, 0.5370

Conversions

Conversions Part 2

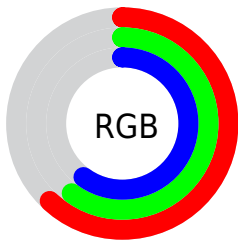
Format	Color
RYB	158, 154, 153
Decimal	10394265
CIELab	64.00, 1.27, 1.03
CIELCh	64, 1.635, 39.135
Yxy	32.8017, 0.3176, 0.3305
Android (android.graphics.Color)	4288584345 (0xFF9E9A99)
YUV	155.0820, -1.0264, 2.5591
Hunter-Lab	57.2727, -1.9830, 3.9412

Details

The CIELCh color **64, 1.635, 39.135** is a light color, and the websafe version is hex **999999**. A complement of this color would be **65, 1.607, 219.900**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 1.892, 35.365**, and **44, 1.764, 39.193** is the 20% darker color. If you saturate the color by 10%, you get **60, 7.087, 39.253**, and if you desaturate by 10%, it is **68, 3.409, 219.850**.

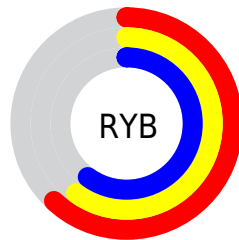
Distribution



Red (62%)

Green (60%)

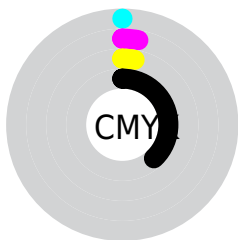
Blue (60%)



Red (62%)

Yellow (60%)

Blue (60%)

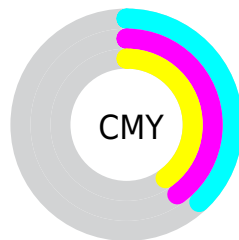


Cyan (0%)

Magenta (3%)

Yellow (3%)

Black (38%)



Cyan (38%)

Magenta (40%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 1.635, 39.135 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, 1.635, 39.135 by changing the saturation by 10% instead.

 64, 1.635, 39.135  64, 1.635, 39.135

 100, 1.635, 39.135  54, 1.635, 39.135

 84, 1.635, 39.135  44, 1.635, 39.135

 94, 1.635, 39.135  34, 1.635, 39.135

 24, 1.635, 39.135

 14, 1.635, 39.135

 4, 1.635, 39.135

 0, 1.635, 39.135

 64, 1.635, 39.135  64, 1.635, 39.135

 60, 7.087, 39.253  68, 3.409, 219.850

56, 12.989, 39.225

72, 8.087, 220.066

53, 19.374, 39.313

76, 12.442,
220.379

49, 26.262, 39.564

80, 16.511,
220.730

46, 33.640, 40.017

43, 41.447, 40.694

83, 20.331,
221.102

40, 49.527, 41.576

87, 23.931,
221.485

38, 57.531, 42.534

36, 64.689, 43.183

91, 26.526,
211.721

94, 29.835,
197.580

Harmonies

Complementary

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



64, 1.635, 39.135



65, 1.607, 219.900

Rectangle

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



64, 1.635, 39.135



64, 1.635, 89.135



64, 1.635, 219.135



64, 1.635, 269.135

Sweetspot

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



64, 1.634, 39.199



82, 0.636, 38.649



64, 2.962, 330.631



44, 0.364, 38.595



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, 1.634, 39.199



81, 2.579, 39.244



65, 2.015, 93.236



33, 1.470, 39.260



31, 63.621, 43.711



2, 3.812, 38.345

Inverse Universe

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



65, 1.607, 219.900



82, 2.521, 219.862



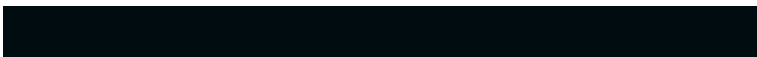
64, 2.031, 274.165



33, 1.431, 219.851



44, 28.484, 234.800



3, 3.732, 223.383

Previews

White Background



This preview shows how the CIELCh color 64, 1.635, 39.135 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, 1.635, 39.135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

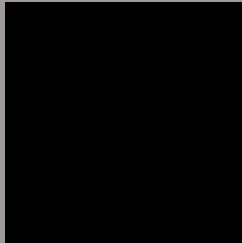
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

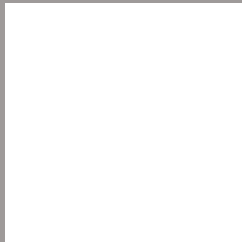
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 1.635, 39.135

Background



This preview shows how black text looks on a background with the CIELCh color 64, 1.635, 39.135.

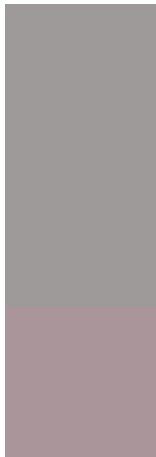


This preview shows how white text looks on a background with the CIELCh color 64, 1.635, 39.135.

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, 1.635, 39.135

Protanopia

64, 1.635, 39.135

Deuteranopia

64, 8.123, 4.299



Tritanopia
64, 7.229, 312.207

Trichromacy



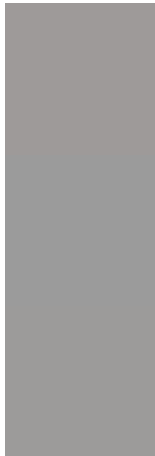
Original Color
64, 1.635, 39.135

Protanomaly
64, 1.635, 39.135

Deuteranomaly
64, 5.563, 8.353

Tritanomaly
64, 5.040, 317.468

Monochromacy



Original Color
64, 1.635, 39.135

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 0.666, 74.810

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 1.635, 39.135 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(158, 154, 153)` looks like.

```
.text, #text, p{  
    color:rgb(158, 154, 153)  
}
```

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(158, 154, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 154, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 1.635, 39.135 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(158, 154, 153) }
```

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

```
.border{ border-color:rgb(158, 154, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 154, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 154, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 154, 153);  
box-shadow:4px 4px 4px 4px rgb(158, 154,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 1.635, 39.135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 154, 153) }
```

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

```
.background{ background-color: rgb(158,  
154, 153) }
```

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