

Converting Colors

CIELCh(63, 0.681, 110.026)

Have a look what the booklet for
CIELCh(63, 0.681, 110.026) contains.

CIELCh(63, 1.108, 110.009)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	19
<i>Color Blindness Simulation</i>	22
<i>CSS Examples</i>	25

Color

CIELCh(63, 1.108, 110.009)

Conversions

Conversions Part 1

Format	Color
Hex	999997
RGB	153, 153, 151
RGB Percent	60%, 60%, 59%
CMY	0.4017, 0.4017, 0.4096
CMYK	0.00, 0.00, 0.01, 0.40
HSL	60°, 1%, 59%
HSV	60°, 1%, 60%
XYZ	29.9223, 31.5869, 33.6101
YIQ	152.7720, 0.6420, -0.6220

Conversions

Conversions Part 2

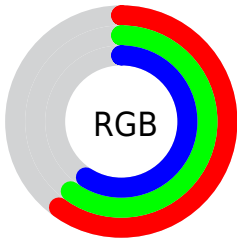
Format	Color
RYB	151, 153, 151
Decimal	10066327
CIELab	63.00, -0.38, 1.04
CIELCh	63, 1.108, 110.009
Yxy	31.5869, 0.3146, 0.3321
Android (android.graphics.Color)	4288256407 (0xFF999997)
YUV	152.7720, -0.8736, 0.2000
Hunter-Lab	56.2022, -3.3200, 3.8849

Details

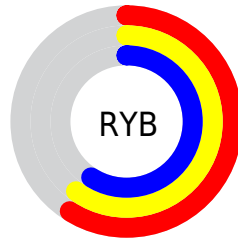
The CIELCh color $63, 1.108, 110.009$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $62, 1.128, 290.402$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 1.045, 110.023$, and $43, 1.194, 109.970$ is the 20% darker color. If you saturate the color by 10%, you get $63, 9.611, 109.169$, and if you desaturate by 10%, it is $63, 7.411, 291.036$.

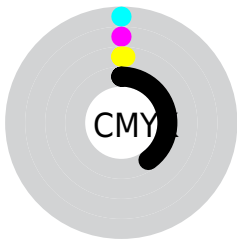
Distribution



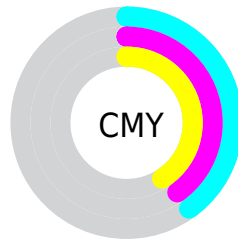
- Red (60%)
- Green (60%)
- Blue (59%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (1%)
- Black (40%)



- Cyan (40%)
- Magenta (40%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 1.108, 110.009 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 63, 1.108, 110.009 by changing the saturation by 10% instead.

■ 63, 1.108, 110.009

■ 63, 1.108, 110.009

100, 1.108,
110.009

■ 53, 1.108, 110.009

■ 83, 1.108, 110.009

■ 43, 1.108, 110.009

■ 93, 1.108, 110.009

■ 33, 1.108, 110.009

■ 23, 1.108, 110.009

■ 13, 1.108, 110.009

■ 3, 1.108, 110.009

■ 0, 1.108, 110.009

■ 63, 1.108, 110.009

■ 63, 1.108, 110.009

■ 63, 9.611, 109.169

■ 63, 7.411, 291.036

62, 18.053,
108.226

64, 15.924,
291.922

62, 26.374,
107.287

64, 24.409,
292.777

62, 34.480,
106.371

65, 32.854,
293.595

62, 42.225,
105.501

66, 41.246,
294.373

61, 49.394,
104.707

66, 49.577,
295.110

61, 55.679,
104.023

67, 56.571,
295.701

61, 60.704,
103.488

67, 56.571,
295.707

61, 64.112,
103.133

67, 56.571,
295.713

Harmonies

Complementary

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



63, 1.108, 110.009



62, 1.128, 290.402

Rectangle

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



63, 1.108, 110.009



63, 1.108, 160.009



63, 1.108, 290.009



63, 1.108, 340.009

Sweetspot

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



63, 1.109, 110.064



80, 0.010, 296.813



62, 0.773, 18.900



42, 0.006, 296.813



90, 0.011, 296.813

Same Dimension

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



63, 1.109, 110.064



80, 2.105, 110.013



63, 1.179, 129.095



32, 0.960, 110.028



56, 62.112, 102.936



3, 5.228, 110.239

Inverse Universe

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



62, 1.128, 290.402



79, 2.133, 290.454



62, 1.197, 309.043



32, 0.973, 290.439



15, 85.757, 306.293



0, 5.230, 290.231

Previews

White Background



This preview shows how the CIE LCh color 63, 1.108, 110.009 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 63, 1.108, 110.009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

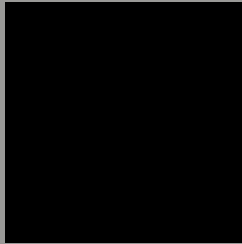
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

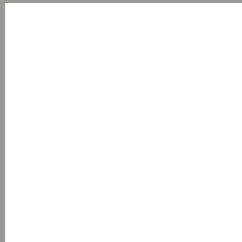
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 1.108, 110.009

Background



This preview shows how black text looks on a background with the CIELCh color 63, 1.108, 110.009.



This preview shows how white text looks on a background with the CIELCh color 63, 1.108, 110.009.

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


63, 1.108, 110.009

Protanopia

63, 1.899, 55.187

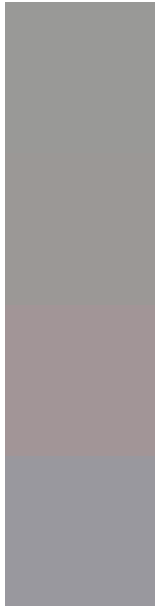
Deuteranopia

63, 8.309, 0.608



Tritanopia
63, 6.830, 300.368

Trichromacy



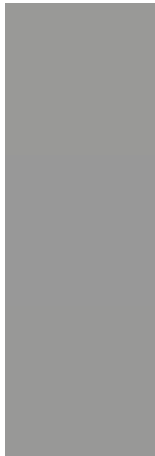
Original Color
63, 1.108, 110.009

Protanomaly
63, 1.599, 63.347

Deuteranomaly
63, 5.198, 7.449

Tritanomaly
63, 3.388, 296.975

Monochromacy



Original Color
63, 1.108, 110.009

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 0.551, 110.022

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 1.108, 110.009 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(153, 153, 151)` looks like.

```
.text, #text, p{  
    color:rgb(153, 153, 151)  
}
```

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(153, 153, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 153, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 1.108, 110.009 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(153, 153, 151) }
```

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

```
.border{ border-color:rgb(153, 153, 151) }
```

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

Here you see how a box with a 4 pixel rgb(153, 153, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 153, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 153, 151);  
box-shadow:4px 4px 4px 4px rgb(153, 153,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 1.108, 110.009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 153, 151) }
```

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

```
.background{ background-color: rgb(153,  
153, 151) }
```

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