

Converting Colors

CIELCh(63, 1.102, 314.635)

Have a look what the booklet for
CIELCh(63, 1.102, 314.635) contains.

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Color

CIELCh(63, 1.194, 309.042)

Conversions

Conversions Part 1

Format	Color
Hex	99989A
RGB	153, 152, 154
RGB Percent	60%, 60%, 60%
CMY	0.3998, 0.4037, 0.3959
CMYK	0.01, 0.01, 0.00, 0.40
HSL	270°, 1%, 60%
HSV	270°, 1%, 60%
XYZ	30.2218, 31.5869, 35.1001
YIQ	152.5270, -0.0460, 0.8340

Conversions

Conversions Part 2

Format	Color
RYB	153, 152, 154
Decimal	10066074
CIELab	63.00, 0.75, -0.93
CIELCh	63, 1.194, 309.042
Yxy	31.5869, 0.3119, 0.3259
Android (android.graphics.Color)	4288256154 (0xFF99989A)
YUV	152.5270, 0.7262, 0.4148
Hunter-Lab	56.2022, -2.3686, 2.3131

Details

The CIELCh color $63, 1.194, 309.042$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $63, 1.175, 129.073$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 1.131, 309.003$, and $43, 1.282, 309.090$ is the 20% darker color. If you saturate the color by 10%, you get $58, 10.479, 309.533$, and if you desaturate by 10%, it is $68, 7.821, 128.712$.

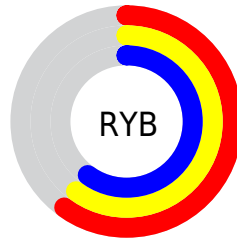
Distribution



Red (60%)

Green (60%)

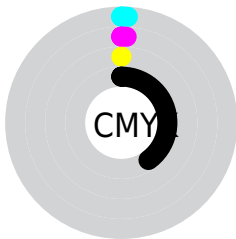
Blue (60%)



Red (60%)

Yellow (60%)

Blue (60%)

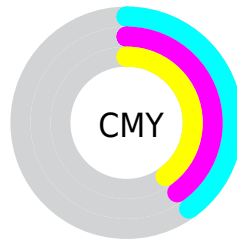


Cyan (1%)

Magenta (1%)

Yellow (0%)

Black (40%)



Cyan (40%)

Magenta (40%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 1.194, 309.042 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, 1.194, 309.042 by changing the saturation by 10% instead.

■ 63, 1.194, 309.042

■ 63, 1.194, 309.042

100, 1.194,
309.042

■ 53, 1.194, 309.042

■ 83, 1.194, 309.042

■ 43, 1.194, 309.042

■ 93, 1.194, 309.042

■ 33, 1.194, 309.042

■ 23, 1.194, 309.042

■ 13, 1.194, 309.042

■ 3, 1.194, 309.042

■ 0, 1.194, 309.042

■ 63, 1.194, 309.042

■ 63, 1.194, 309.042

■ 58, 10.479,

■ 68, 7.821, 128.712

309.533

73, 16.559,
128.348

53, 20.023,
310.021

77, 25.028,
128.030

49, 29.784,
310.537

82, 33.238,
127.751

44, 39.681,
311.070

87, 41.200,
127.508

40, 49.564,
311.593

91, 48.930,
127.297

35, 59.181,
312.063

95, 53.734,
126.293

31, 68.134,
312.413

95, 52.747,
123.426

28, 75.862,
312.552

96, 51.898,
120.402

25, 81.715,
312.373

Harmonies

Complementary

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



63, 1.194, 309.042



63, 1.175, 129.073

Rectangle

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



63, 1.194, 309.042



63, 1.194, 359.042



63, 1.194, 129.042



63, 1.194, 179.042

Sweetspot

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



63, 1.192, 309.018



81, 0.010, 296.813



63, 0.669, 254.210



43, 0.006, 296.813



91, 0.011, 296.813

Same Dimension

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



63, 1.192, 309.018



80, 2.285, 309.079



63, 1.361, 323.914



32, 1.032, 309.066



21, 79.799, 312.134



1, 5.542, 308.749

Inverse Universe

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



63, 0.960, 343.370



80, 1.841, 343.555



63, 1.347, 144.086



32, 0.832, 343.516



30, 54.428, 0.900



1, 4.450, 344.065

Previews

White Background



This preview shows how the CIELCh color 63, 1.194, 309.042 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 63, 1.194, 309.042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

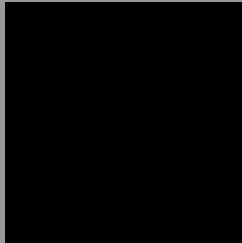
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

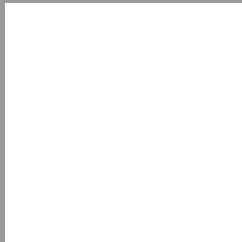
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 1.194, 309.042

Background



This preview shows how black text looks on a background with the CIELCh color 63, 1.194, 309.042.



This preview shows how white text looks on a background with the CIELCh color 63, 1.194, 309.042.

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, 1.194, 309.042

Protanopia

63, 1.620, 335.619

Deuteranopia

63, 8.017, 351.037



Tritanopia
63, 6.830, 300.368

Trichromacy



Original Color
63, 1.194, 309.042

Protanomaly
63, 1.370, 324.357

Deuteranomaly
63, 5.741, 344.195

Tritanomaly
63, 5.184, 303.340

Monochromacy



Original Color
63, 1.194, 309.042

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 0.008, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 1.194, 309.042 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, 152, 154)` looks like.

```
.text, #text, p{  
    color:rgb(153, 152, 154)  
}
```

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, 152, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 152, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 1.194, 309.042 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, 152, 154) }
```

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

```
.border{ border-color:rgb(153, 152, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 152, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 152, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 152, 154);  
box-shadow:4px 4px 4px 4px rgb(153, 152,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 1.194, 309.042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 152, 154) }
```

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

```
.background{ background-color: rgb(153,  
152, 154) }
```

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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