

Converting Colors

CIELCh(63, 0.930, 199.809)

Have a look what the booklet for
CIELCh(63, 0.930, 199.809) contains.

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Color

CIELCh(63, 1.146, 199.694)

Conversions

Conversions Part 1

Format	Color
Hex	969999
RGB	150, 153, 153
RGB Percent	59%, 60%, 60%
CMY	0.4116, 0.3998, 0.3998
CMYK	0.02, 0.00, 0.00, 0.40
HSL	180°, 1%, 59%
HSV	180°, 2%, 60%
XYZ	29.7379, 31.5869, 34.6862
YIQ	152.1030, -1.7880, -0.6360

Conversions

Conversions Part 2

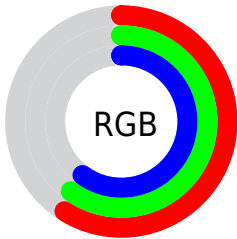
Format	Color
R_{YB}	150, 152, 153
Decimal	9869721
CIE Lab	63.00, -1.08, -0.39
CIE LCh	63, 1.146, 199.694
Yxy	31.5869, 0.3097, 0.3290
Android (android.graphics.Color)	4288059801 (0xFF969999)
YUV	152.1030, 0.4422, -1.8443
Hunter-Lab	56.2022, -3.9054, 2.7497

Details

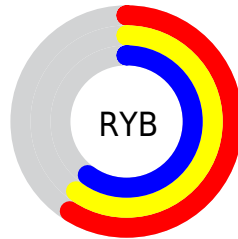
The CIELCh color **63, 1.146, 199.694** is a light color, and the websafe version is hex **999999**. A complement of this color would be **62, 1.162, 19.061**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 1.084, 199.847**, and **43, 1.230, 199.527** is the 20% darker color. If you saturate the color by 10%, you get **62, 6.833, 198.765**, and if you desaturate by 10%, it is **64, 4.791, 19.690**.

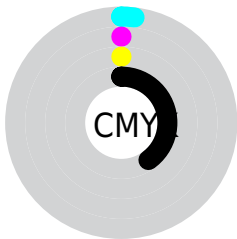
Distribution



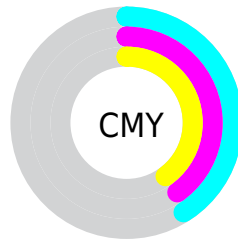
- Red (59%)
- Green (60%)
- Blue (60%)



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



- Cyan (2%)
- Magenta (0%)
- Yellow (0%)
- Black (40%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 1.146, 199.694 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, 1.146, 199.694 by changing the saturation by 10% instead.

■ 63, 1.146, 199.694

■ 63, 1.146, 199.694

■ 100, 1.146,
199.694

■ 53, 1.146, 199.694

■ 83, 1.146, 199.694

■ 43, 1.146, 199.694

■ 93, 1.146, 199.694

■ 33, 1.146, 199.694

■ 23, 1.146, 199.694

■ 13, 1.146, 199.694

■ 3, 1.146, 199.694

■ 0, 1.146, 199.694

■ 63, 1.146, 199.694

■ 63, 1.146, 199.694

■ 62, 6.833, 198.765

■ 64, 4.791, 19.690

61, 12.184,
198.247

66, 10.907, 20.324

60, 17.112,
197.792

67, 17.139, 20.938

59, 21.525,
197.394

69, 23.438, 21.553

59, 25.341,
197.055

72, 36.078, 22.786

58, 28.492,
196.777

74, 41.472, 23.309

58, 30.937,
196.562

74, 41.471, 23.300

57, 32.668,
196.407

74, 41.470, 23.290

57, 33.722,
196.309

Harmonies

Complementary

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



63, 1.146, 199.694



62, 1.162, 19.061

Rectangle

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



63, 1.146, 199.694



63, 1.146, 249.694



63, 1.146, 19.694



63, 1.146, 69.694

Sweetspot

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



63, 1.147, 199.621



80, 0.724, 200.037



63, 2.033, 143.998



42, 0.411, 200.090



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



63, 1.147, 199.621



80, 1.447, 199.602



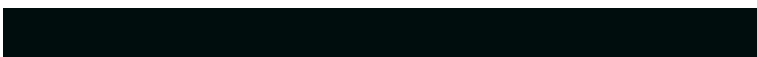
63, 1.004, 254.131



32, 0.660, 199.653



53, 32.139, 196.257



3, 3.595, 199.340

Inverse Universe

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



62, 1.162, 19.061



79, 1.467, 19.080



63, 0.998, 73.053



32, 0.669, 19.029



28, 66.084, 39.016



1, 3.595, 19.334

Previews

White Background



This preview shows how the CIELCh color 63, 1.146, 199.694 looks on a white background.

Color Contrast Check

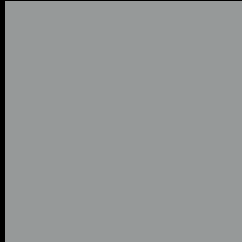
Large Text (above 18pt) WCAG AA × Fail

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, 1.146, 199.694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

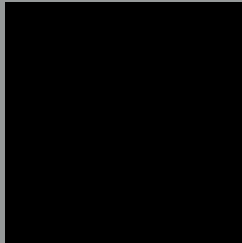
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

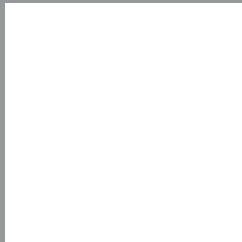
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 1.146, 199.694

Background



This preview shows how black text looks on a background with the CIELCh color 63, 1.146, 199.694.



This preview shows how white text looks on a background with the CIELCh color 63, 1.146, 199.694.

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, 1.146, 199.694

Protanopia

63, 1.158, 19.125

Deuteranopia

63, 7.771, 354.652



Tritanopia
63, 6.739, 294.088

Trichromacy



Original Color
63, 1.146, 199.694

Protanomaly
63, 0.386, 18.274

Deuteranomaly
63, 4.482, 349.878

Tritanomaly
63, 3.932, 285.122

Monochromacy



Original Color
63, 1.146, 199.694

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 0.383, 200.547

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 1.146, 199.694 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(150, 153, 153)` looks like.

```
.text, #text, p{  
    color:rgb(150, 153, 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(150, 153, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 153, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 1.146, 199.694 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(150, 153, 153) }
```

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

```
.border{ border-color:rgb(150, 153, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 153, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 153, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 153, 153);  
box-shadow:4px 4px 4px 4px rgb(150, 153,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 1.146, 199.694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 153, 153) }
```

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

```
.background{ background-color: rgb(150,  
153, 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](#).

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