

Converting Colors

CIELCh(61, 0.838, 229.834)

Have a look what the booklet for
CIELCh(61, 0.838, 229.834) contains.

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Color

CIELCh(61, 0.769, 199.906)

Conversions

Conversions Part 1

Format	Color
Hex	929494
RGB	146, 148, 148
RGB Percent	57%, 58%, 58%
CMY	0.4291, 0.4212, 0.4212
CMYK	0.01, 0.00, 0.00, 0.42
HSL	180°, 1%, 57%
HSV	180°, 1%, 58%
XYZ	27.6182, 29.2481, 32.0350
YIQ	147.4020, -1.1920, -0.4240

Conversions

Conversions Part 2

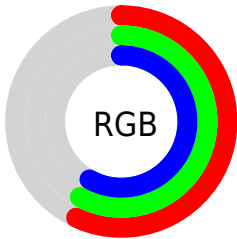
Format	Color
RYB	146, 147, 148
Decimal	9606292
CIELab	61.00, -0.72, -0.26
CIELCh	61, 0.769, 199.906
Yxy	29.2481, 0.3107, 0.3290
Android (android.graphics.Color)	4287796372 (0xFF929494)
YUV	147.4020, 0.2948, -1.2296
Hunter-Lab	54.0815, -3.4869, 2.7368

Details

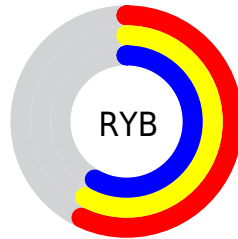
The CIELCh color $61, 0.769, 199.906$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $61, 0.778, 18.816$, and the grayscale version is $61, 0.008, 296.813$.

A 20% lighter version of the original color is $81, 0.726, 200.116$, and $41, 0.415, 200.139$ is the 20% darker color. If you saturate the color by 10%, you get $60, 6.307, 198.768$, and if you desaturate by 10%, it is $62, 5.006, 19.698$.

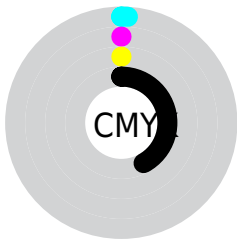
Distribution



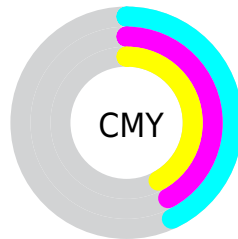
- Red (57%)
- Green (58%)
- Blue (58%)



- Red (57%)
- Yellow (58%)
- Blue (58%)



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (42%)



- Cyan (43%)
- Magenta (42%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 0.769, 199.906 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 61, 0.769, 199.906 by changing the saturation by 10% instead.

■ 61, 0.769, 199.906

■ 61, 0.769, 199.906

■ 100, 0.769,
199.906

■ 51, 0.769, 199.906

■ 81, 0.769, 199.906

■ 41, 0.769, 199.906

■ 91, 0.769, 199.906

■ 31, 0.769, 199.906

■ 21, 0.769, 199.906

■ 11, 0.769, 199.906

■ 1, 0.769, 199.906

■ 0, 0.769, 199.906

■ 61, 0.769, 199.906

■ 61, 0.769, 199.906

■ 60, 6.307, 198.768

■ 62, 5.006, 19.698

■ 59, 11.526,
198.245

■ 64, 10.951, 20.327

■ 58, 16.342,
197.786

■ 65, 17.005, 20.939

■ 57, 20.666,
197.383

■ 67, 23.121, 21.553

■ 57, 24.418,
197.038

■ 70, 35.389, 22.783

■ 56, 27.530,
196.753

■ 72, 41.490, 23.393

■ 56, 29.960,
196.531

■ 73, 43.998, 23.635

■ 55, 31.700,
196.368

■ 73, 43.996, 23.622

■ 55, 32.779,
196.261

Harmonies

Complementary

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



61, 0.769, 199.906



61, 0.778, 18.816

Rectangle

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



61, 0.769, 199.906



61, 0.769, 249.906



61, 0.769, 19.906



61, 0.769, 69.906

Sweetspot

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



61, 0.770, 199.799



77, 0.009, 296.813



61, 1.360, 144.077



41, 0.006, 296.813



89, 0.011, 296.813

Same Dimension

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



61, 0.770, 199.799



77, 1.401, 199.571



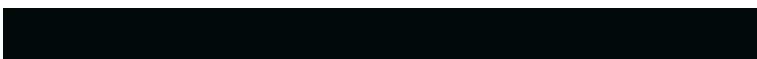
61, 0.675, 254.198



31, 0.642, 199.622



52, 31.722, 196.199



2, 2.828, 199.317

Inverse Universe

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



61, 0.778, 18.816



76, 1.421, 19.046



61, 0.667, 72.980



31, 0.650, 18.994



28, 65.085, 38.880



1, 2.828, 19.300

Previews

White Background



This preview shows how the CIELCh color 61, 0.769, 199.906 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 61, 0.769, 199.906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

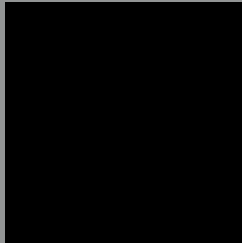
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

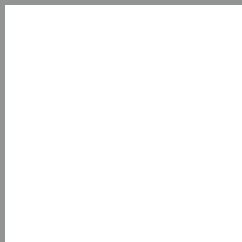
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 61, 0.769, 199.906

Background



This preview shows how black text looks on a background with the CIELCh color 61, 0.769, 199.906.



This preview shows how white text looks on a background with the CIELCh color 61, 0.769, 199.906.

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


61, 0.769, 199.906

Protanopia

61, 1.660, 359.515

Deuteranopia

61, 8.423, 352.438



Tritanopia
61, 6.780, 294.107

Trichromacy



Original Color
61, 0.769, 199.906

Protanomaly
61, 0.388, 18.310

Deuteranomaly
61, 4.858, 352.262

Tritanomaly
61, 3.956, 285.138

Monochromacy



Original Color
61, 0.769, 199.906

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 0.385, 200.510

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 0.769, 199.906 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(146, 148, 148)` looks like.

```
.text, #text, p{  
    color:rgb(146, 148, 148)  
}
```

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(146, 148, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 148, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 0.769, 199.906 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(146, 148, 148) }
```

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

```
.border{ border-color:rgb(146, 148, 148) }
```

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

Here you see how a box with a 4 pixel rgb(146, 148, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 148, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 148, 148);  
box-shadow:4px 4px 4px 4px rgb(146, 148,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 0.769, 199.906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 148, 148) }
```

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

```
.background{ background-color: rgb(146,  
148, 148) }
```

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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