

Converting Colors

CIELCh(61, 0.694, 4.409)

Have a look what the booklet for
CIELCh(61, 0.694, 4.409) contains.

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Color

CIELCh(61, 0.388, 18.310)

Conversions

Conversions Part 1

Format	Color
Hex	949393
RGB	148, 147, 147
RGB Percent	58%, 58%, 58%
CMY	0.4198, 0.4237, 0.4237
CMYK	0.00, 0.01, 0.01, 0.42
HSL	0°, 0%, 58%
HSV	0°, 1%, 58%
XYZ	27.8921, 29.2481, 31.7586
YIQ	147.2990, 0.5960, 0.2120

Conversions

Conversions Part 2

Format	Color
R_{YB}	148, 147, 147
Decimal	9737107
CIE _{Lab}	61.00, 0.37, 0.12
CIE _{LCh}	61, 0.388, 18.310
Yxy	29.2481, 0.3138, 0.3290
Android (android.graphics.Color)	4287927187 (0xFF949393)
YUV	147.2990, -0.1474, 0.6148
Hunter-Lab	54.0815, -2.5827, 3.0399

Details

The CIELCh color $61, 0.388, 18.310$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $61, 0.383, 200.737$, and the grayscale version is $61, 0.008, 296.813$.

A 20% lighter version of the original color is $81, 0.367, 17.922$, and $41, 0.006, 296.813$ is the 20% darker color. If you saturate the color by 10%, you get $57, 6.339, 20.213$, and if you desaturate by 10%, it is $65, 5.126, 199.263$.

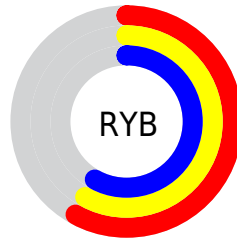
Distribution



Red (58%)

Green (58%)

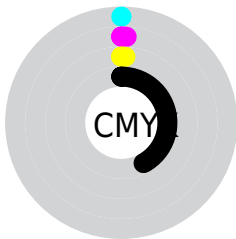
Blue (58%)



Red (58%)

Yellow (58%)

Blue (58%)

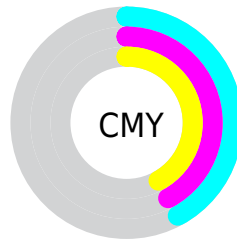


Cyan (0%)

Magenta (1%)

Yellow (1%)

Black (42%)



Cyan (42%)

Magenta (42%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 0.388, 18.310 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, 0.388, 18.310 by changing the saturation by 10% instead.

■ 61, 0.388, 18.310 ■ 61, 0.388, 18.310

100, 0.388, 18.310 ■ 51, 0.388, 18.310

■ 81, 0.388, 18.310 ■ 41, 0.388, 18.310

■ 91, 0.388, 18.310 ■ 31, 0.388, 18.310

■ 21, 0.388, 18.310

■ 11, 0.388, 18.310

■ 1, 0.388, 18.310

■ 0, 0.388, 18.310

■ 61, 0.388, 18.310 ■ 61, 0.388, 18.310

■ 57, 6.339, 20.213 ■ 65, 5.126, 199.263

52, 12.756, 21.042

70, 10.239,
198.833

48, 19.644, 22.080

74, 14.994,
198.508

44, 26.968, 23.422

41, 34.640, 25.162

79, 19.431,
198.250

37, 42.501, 27.402

83, 23.591,
198.040

34, 50.321, 30.212

32, 57.777, 33.526

88, 27.507,
197.867

31, 64.294, 36.933

92, 31.210,
197.724

94, 32.384,
197.426

Harmonies

Complementary

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



61, 0.388, 18.310



61, 0.383, 200.737

Rectangle

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



61, 0.388, 18.310



61, 0.388, 68.310



61, 0.388, 198.310



61, 0.388, 248.310

Sweetspot

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



61, 0.387, 18.522



77, 0.009, 296.813



61, 0.693, 324.180



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, 0.387, 18.522



77, 0.706, 18.926



61, 0.333, 74.458



31, 0.323, 18.839



28, 65.090, 38.974



1, 2.821, 19.620

Inverse Universe

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



61, 0.383, 200.737



77, 0.700, 200.329



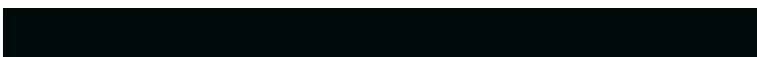
61, 0.344, 256.351



31, 0.321, 200.418



52, 31.579, 196.774



2, 2.821, 199.637

Previews

White Background



This preview shows how the CIELCh color 61, 0.388, 18.310 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, 0.388, 18.310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

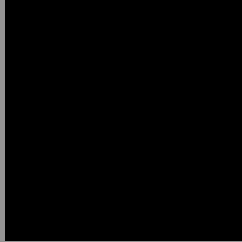
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

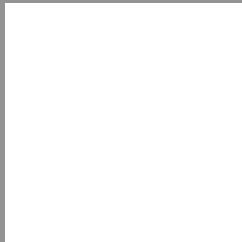
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 61, 0.388, 18.310

Background



This preview shows how black text looks on a background with the CIELCh color 61, 0.388, 18.310.



This preview shows how white text looks on a background with the CIELCh color 61, 0.388, 18.310.

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, 0.388, 18.310

Protanopia

61, 1.660, 359.515

Deuteranopia

61, 8.188, 355.938



Tritanopia
61, 6.957, 303.455

Trichromacy



Original Color

61, 0.388, 18.310

Protanomaly

61, 1.302, 353.582

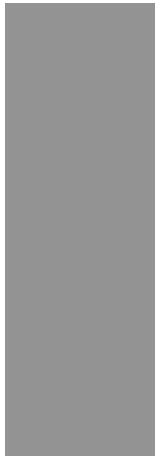
Deuteranomaly

61, 5.210, 354.318

Tritanomaly

61, 4.125, 306.727

Monochromacy



Original Color

61, 0.388, 18.310

Achromatopsia

61, 0.008, 296.813

Achromatomaly

61, 0.008, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 0.388, 18.310 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(148, 147, 147)` looks like.

```
.text, #text, p{  
    color:rgb(148, 147, 147)  
}
```

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(148, 147, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 147, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 0.388, 18.310 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(148, 147, 147) }
```

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

```
.border{ border-color:rgb(148, 147, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 147, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 147, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 147, 147);  
box-shadow:4px 4px 4px 4px rgb(148, 147,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 0.388, 18.310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 147, 147) }
```

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

```
.background{ background-color: rgb(148,  
147, 147) }
```

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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