

Converting Colors

CIELCh(61, 1.186, 88.303)

Have a look what the booklet for
CIELCh(61, 1.186, 88.303) contains.

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Color

CIELCh(61, 1.178, 90.721)

Conversions

Conversions Part 1

Format	Color
Hex	949391
RGB	148, 147, 145
RGB Percent	58%, 58%, 57%
CMY	0.4192, 0.4232, 0.4310
CMYK	0.00, 0.01, 0.02, 0.42
HSL	40°, 1%, 57%
HSV	40°, 2%, 58%
XYZ	27.7958, 29.2481, 31.0061
YIQ	147.0710, 1.2380, -0.4100

Conversions

Conversions Part 2

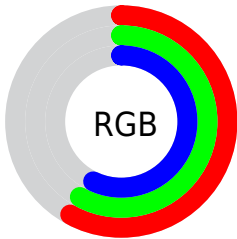
Format	Color
RYB	147, 148, 145
Decimal	9737105
CIELab	61.00, -0.01, 1.18
CIElCh	61, 1.178, 90.721
Yxy	29.2481, 0.3157, 0.3322
Android (android.graphics.Color)	4287927185 (0xFF949391)
YUV	147.0710, -1.0210, 0.8147
Hunter-Lab	54.0815, -2.9008, 3.8649

Details

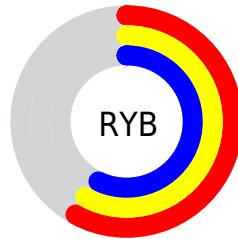
The CIELCh color **61, 1.178, 90.721** is a light color, and the websafe version is hex **999999**. A complement of this color would be **61, 1.192, 271.600**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 1.109, 90.726**, and **41, 1.205, 109.964** is the 20% darker color. If you saturate the color by 10%, you get **59, 7.107, 89.714**, and if you desaturate by 10%, it is **63, 4.628, 272.168**.

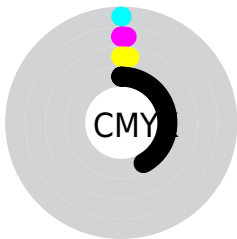
Distribution



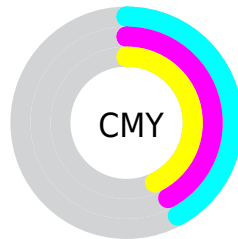
- Red (58%)
- Green (58%)
- Blue (57%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (42%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 1.178, 90.721 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, 1.178, 90.721 by changing the saturation by 10% instead.

■ 61, 1.178, 90.721 ■ 61, 1.178, 90.721

100, 1.178, 90.721 ■ 51, 1.178, 90.721

■ 81, 1.178, 90.721 ■ 41, 1.178, 90.721

■ 91, 1.178, 90.721 ■ 31, 1.178, 90.721

■ 21, 1.178, 90.721

■ 11, 1.178, 90.721

■ 1, 1.178, 90.721

■ 0, 1.178, 90.721

■ 61, 1.178, 90.721 ■ 61, 1.178, 90.721

■ 59, 7.107, 89.714 ■ 63, 4.628, 272.168

■ 58, 13.157, 88.469

■ 65, 10.318,
273.267

■ 56, 19.317, 87.177

■ 66, 15.899,
274.333

■ 54, 25.559, 85.845

■ 53, 31.817, 84.474

■ 68, 21.378,
275.351

■ 51, 37.967, 83.049

■ 70, 26.764,
276.320

■ 50, 43.781, 81.540

■ 48, 48.870, 79.876

■ 72, 32.065,
277.240

■ 47, 52.680, 77.929

■ 74, 37.286,
278.110

■ 75, 38.106,
276.380

■ 77, 35.885,
272.449

Harmonies

Complementary

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



61, 1.178, 90.721



61, 1.192, 271.600

Rectangle

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



61, 1.178, 90.721



61, 1.178, 140.721



61, 1.178, 270.721



61, 1.178, 320.721

Sweetspot

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



61, 1.179, 90.793



77, 0.712, 90.749



60, 1.303, 353.585



41, 0.408, 90.735



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



61, 1.179, 90.793



77, 1.434, 90.793



61, 1.690, 116.565



31, 0.656, 90.799



43, 52.230, 76.467



2, 2.890, 91.193

Inverse Universe

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



61, 1.192, 271.600



76, 1.450, 271.600



60, 1.712, 296.847



31, 0.665, 271.593



23, 60.403, 295.752



1, 2.891, 271.200

Previews

White Background



This preview shows how the CIELCh color 61, 1.178, 90.721 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, 1.178, 90.721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

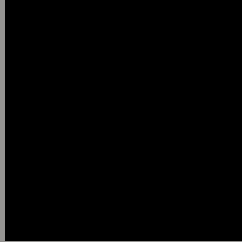
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

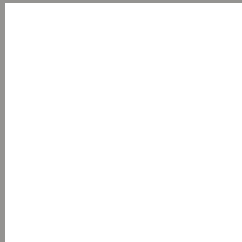
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 61, 1.178, 90.721

Background



This preview shows how black text looks on a background with the CIELCh color 61, 1.178, 90.721.



This preview shows how white text looks on a background with the CIELCh color 61, 1.178, 90.721.

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, 1.178, 90.721

Protanopia

61, 1.652, 39.145

Deuteranopia

61, 8.206, 4.356



Tritanopia
61, 7.052, 306.460

Trichromacy



Original Color

61, 1.178, 90.721

Protanomaly

61, 1.289, 44.974

Deuteranomaly

61, 5.231, 7.473

Tritanomaly

61, 4.125, 306.727

Monochromacy



Original Color

61, 1.178, 90.721

Achromatopsia

61, 0.008, 296.813

Achromatomaly

61, 0.554, 110.023

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 1.178, 90.721 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, 145)` looks like.

```
.text, #text, p{  
    color:rgb(148, 147, 145)  
}
```

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, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 147, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 1.178, 90.721 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, 145) }
```

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

```
.border{ border-color:rgb(148, 147, 145) }
```

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, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 147, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 147, 145);  
box-shadow:4px 4px 4px 4px rgb(148, 147,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 1.178, 90.721 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, 145) }
```

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

```
.background{ background-color: rgb(148,  
147, 145) }
```

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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