

Converting Colors

CIELCh(72, 1.203, 123.107)

Have a look what the booklet for
CIELCh(72, 1.203, 123.107) contains.

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Color

CIELCh(72, 1.146, 129.115)

Conversions

Conversions Part 1

Format	Color
Hex	B0B1AF
RGB	176, 177, 175
RGB Percent	69%, 69%, 69%
CMY	0.3106, 0.3067, 0.3145
CMYK	0.01, 0.00, 0.01, 0.31
HSL	90°, 1%, 69%
HSV	90°, 1%, 69%
XYZ	41.2598, 43.6590, 46.7064
YIQ	176.4730, 0.0460, -0.8340

Conversions

Conversions Part 2

Format	Color
RYB	175, 177, 176
Decimal	11579823
CIELab	72.00, -0.72, 0.89
CIELCh	72, 1.146, 129.115
Yxy	43.6590, 0.3135, 0.3317
Android (android.graphics.Color)	4289769903 (0xFFB0B1AF)
YUV	176.4730, -0.7262, -0.4148
Hunter-Lab	66.0750, -4.1689, 4.3422

Details

The CIELCh color **72, 1.146, 129.115** is a light color, and the websafe version is hex **999999**. A complement of this color would be **72, 1.167, 309.053**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 1.582, 123.022**, and **52, 0.573, 110.026** is the 20% darker color. If you saturate the color by 10%, you get **71, 11.381, 128.619**, and if you desaturate by 10%, it is **73, 9.024, 309.444**.

Distribution



Red (69%)

Green (69%)

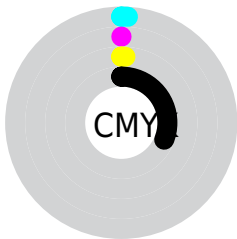
Blue (69%)



Red (69%)

Yellow (69%)

Blue (69%)



Cyan (1%)

Magenta (0%)

Yellow (1%)

Black (31%)



Cyan (31%)

Magenta (31%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 1.146, 129.115 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 72, 1.146, 129.115 by changing the saturation by 10% instead.

■ 72, 1.146, 129.115

■ 72, 1.146, 129.115

■ 100, 1.146,
129.115

■ 62, 1.146, 129.115

■ 92, 1.146, 129.115

■ 52, 1.146, 129.115

■ 42, 1.146, 129.115

■ 32, 1.146, 129.115

■ 22, 1.146, 129.115

■ 12, 1.146, 129.115

■ 2, 1.146, 129.115

■ 0, 1.146, 129.115

■ 72, 1.146, 129.115

■ 72, 1.146, 129.115

71, 11.381,
128.619

73, 9.024, 309.444

70, 21.615,
128.148

74, 19.094,
309.821

69, 31.768,
127.666

76, 29.033,
310.158

68, 41.723,
127.194

77, 38.819,
310.460

67, 51.309,
126.770

78, 44.368,
312.335

67, 60.283,
126.453

79, 45.291,
315.998

66, 68.306,
126.335

80, 46.379,
319.559

65, 74.958,
126.533

81, 47.624,
322.997

65, 79.838,

82, 48.938,
326.116

Harmonies

Complementary

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



72, 1.146, 129.115



72, 1.167, 309.053

Rectangle

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



72, 1.146, 129.115



72, 1.146, 179.115



72, 1.146, 309.115



72, 1.146, 359.115

Sweetspot

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



72, 1.148, 129.143



91, 0.011, 296.813



72, 0.651, 74.771



48, 0.006, 296.813



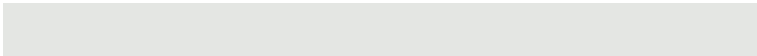
96, 0.011, 296.813

Same Dimension

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



72, 1.148, 129.143



91, 1.251, 129.159



72, 1.323, 144.558



38, 0.577, 129.172



56, 74.349, 127.830



7, 14.500, 132.752

Inverse Universe

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



72, 1.167, 309.053



90, 1.274, 309.038



72, 1.339, 324.328



38, 0.588, 309.025



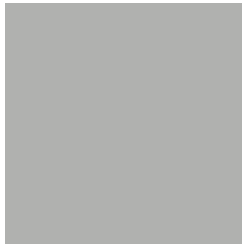
23, 85.075, 312.082



1, 13.842, 305.260

Previews

White Background



This preview shows how the CIELCh color 72, 1.146, 129.115 looks on a white background.

Color Contrast Check

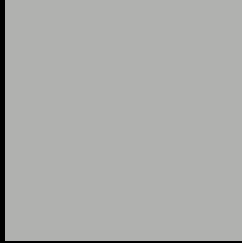
Large Text (above 18pt) WCAG AA × Fail

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 72, 1.146, 129.115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

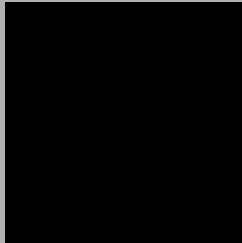
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

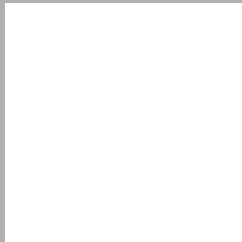
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 1.146, 129.115

Background



This preview shows how black text looks on a background with the CIELCh color 72, 1.146, 129.115.



This preview shows how white text looks on a background with the CIELCh color 72, 1.146, 129.115.

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

72, 1.146, 129.115

Protanopia

72, 1.846, 55.193

Deuteranopia

72, 8.807, 2.228



Tritanopia
72, 7.187, 299.625

Trichromacy



Original Color
72, 1.146, 129.115

Protanomaly
72, 1.309, 74.895

Deuteranomaly
72, 5.555, 2.771

Tritanomaly
72, 3.840, 296.070

Monochromacy



Original Color
72, 1.146, 129.115

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 0.009, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 1.146, 129.115 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(176, 177, 175)` looks like.

```
.text, #text, p{  
    color:rgb(176, 177, 175)  
}
```

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(176, 177, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 177, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 1.146, 129.115 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(176, 177, 175) }
```

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

```
.border{ border-color:rgb(176, 177, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 177, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 177, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 177, 175);  
box-shadow:4px 4px 4px 4px rgb(176, 177,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 1.146, 129.115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 177, 175) }
```

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

```
.background{ background-color: rgb(176,  
177, 175) }
```

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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