

Converting Colors

CIELCh(71, 1.156, 83.016)

Have a look what the booklet for
CIELCh(71, 1.156, 83.016) contains.

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Color

CIELCh(71, 1.141, 90.728)

Conversions

Conversions Part 1

Format	Color
Hex	AFAEAC
RGB	175, 174, 172
RGB Percent	69%, 68%, 67%
CMY	0.3150, 0.3189, 0.3268
CMYK	0.00, 0.01, 0.02, 0.32
HSL	40°, 2%, 68%
HSV	40°, 2%, 68%
XYZ	40.0933, 42.1875, 44.8948
YIQ	174.0710, 1.2380, -0.4100

Conversions

Conversions Part 2

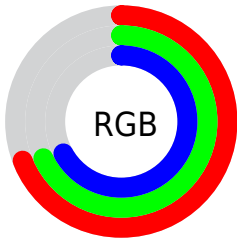
Format	Color
RYB	174, 175, 172
Decimal	11513516
CIELab	71.00, -0.01, 1.14
CIELCh	71, 1.141, 90.728
Yxy	42.1875, 0.3153, 0.3317
Android (android.graphics.Color)	4289703596 (0xFFAFAEAC)
YUV	174.0710, -1.0210, 0.8147
Hunter-Lab	64.9519, -3.4819, 4.4850

Details

The CIELCh color **71, 1.141, 90.728** is a light color, and the websafe version is hex **999999**. A complement of this color would be **71, 1.157, 271.603**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 1.081, 90.718**, and **51, 1.220, 90.702** is the 20% darker color. If you saturate the color by 10%, you get **69, 7.923, 89.744**, and if you desaturate by 10%, it is **73, 5.498, 272.226**.

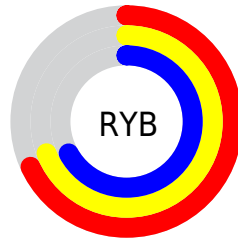
Distribution



Red (69%)

Green (68%)

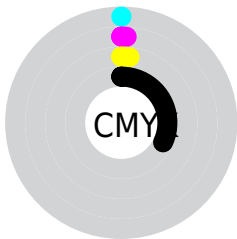
Blue (67%)



Red (68%)

Yellow (69%)

Blue (67%)

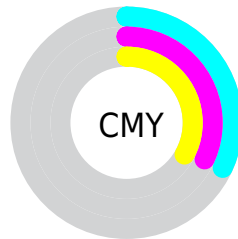


Cyan (0%)

Magenta (1%)

Yellow (2%)

Black (32%)



Cyan (32%)

Magenta (32%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 1.141, 90.728 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 71, 1.141, 90.728 by changing the saturation by 10% instead.

■ 71, 1.141, 90.728

■ 71, 1.141, 90.728

100, 1.141, 90.728

■ 61, 1.141, 90.728

■ 91, 1.141, 90.728

■ 51, 1.141, 90.728

■ 41, 1.141, 90.728

■ 31, 1.141, 90.728

■ 21, 1.141, 90.728

■ 11, 1.141, 90.728

■ 1, 1.141, 90.728

■ 0, 1.141, 90.728

■ 71, 1.141, 90.728

■ 71, 1.141, 90.728

69, 7.923, 89.744

73, 5.498, 272.226

67, 14.845, 88.483

75, 12.004,
273.339

65, 21.895, 87.174

77, 18.383,
274.416

63, 29.038, 85.824

62, 36.197, 84.432

79, 24.645,
275.444

60, 43.223, 82.986

81, 28.800,
274.898

58, 49.840, 81.450

57, 55.581, 79.749

83, 26.392,
268.605

55, 59.783, 77.744

84, 24.354,
261.233

86, 22.773,
252.763

87, 21.738,
243.351

Harmonies

Complementary

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



71, 1.141, 90.728



71, 1.157, 271.603

Rectangle

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



71, 1.141, 90.728



71, 1.141, 140.728



71, 1.141, 270.728



71, 1.141, 320.728

Sweetspot

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



71, 1.142, 90.812



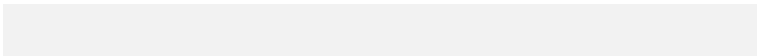
90, 0.819, 90.763



70, 1.264, 353.512



48, 0.469, 90.751



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



71, 1.142, 90.812



90, 1.648, 90.803



71, 1.638, 116.585



37, 0.749, 90.809



47, 55.702, 76.238



5, 7.274, 83.022

Inverse Universe

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



71, 1.157, 271.603



89, 1.667, 271.613



70, 1.661, 296.827



36, 0.758, 271.606



25, 64.987, 296.060



2, 8.511, 275.794

Previews

White Background



This preview shows how the CIELCh color 71, 1.141, 90.728 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 71, 1.141, 90.728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

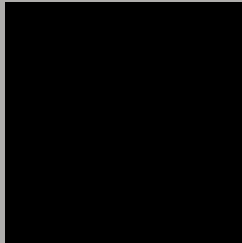
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

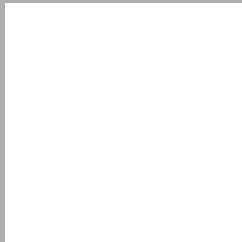
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 1.141, 90.728

Background



This preview shows how black text looks on a background with the CIELCh color 71, 1.141, 90.728.



This preview shows how white text looks on a background with the CIELCh color 71, 1.141, 90.728.

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


71, 1.141, 90.728

Protanopia

71, 1.852, 55.193

Deuteranopia

71, 9.206, 3.033



Tritanopia
71, 7.365, 305.285

Trichromacy



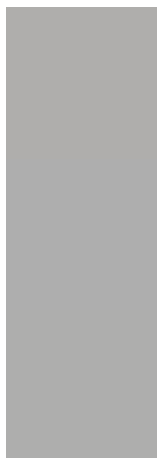
Original Color
71, 1.141, 90.728

Protanomaly
71, 1.560, 63.354

Deuteranomaly
71, 5.942, 3.915

Tritanomaly
71, 4.000, 306.694

Monochromacy



Original Color
71, 1.141, 90.728

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 0.536, 110.016

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 1.141, 90.728 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(175, 174, 172)` looks like.

```
.text, #text, p{  
    color:rgb(175, 174, 172)  
}
```

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(175, 174, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 174, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 1.141, 90.728 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(175, 174, 172) }
```

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

```
.border{ border-color:rgb(175, 174, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 174, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 174, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 174, 172);  
box-shadow:4px 4px 4px 4px rgb(175, 174,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 1.141, 90.728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 174, 172) }
```

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

```
.background{ background-color: rgb(175,  
174, 172) }
```

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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