

Converting Colors

CIELCh(72, 11.803, 102.645)

Have a look what the booklet for
CIELCh(72, 11.803, 102.645)
contains.

CIELCh(72, 12.010, 101.473)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(72, 12.010, 101.473)

Conversions

Conversions Part 1

Format	Color
Hex	B5B19B
RGB	181, 177, 155
RGB Percent	71%, 69%, 61%
CMY	0.2900, 0.3057, 0.3920
CMYK	0.00, 0.02, 0.14, 0.29
HSL	51°, 15%, 66%
HSV	51°, 14%, 71%
XYZ	40.7175, 43.6590, 37.3102
YIQ	175.6880, 9.4460, -5.9940

Conversions

Conversions Part 2

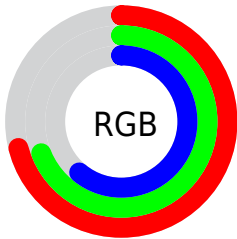
Format	Color
R _Y B	160, 181, 155
Decimal	11907483
CIE Lab	72.00, -2.39, 11.77
CIE LCh	72, 12.010, 101.473
Yxy	43.6590, 0.3346, 0.3588
Android (android.graphics.Color)	4290097563 (0xFFB5B19B)
YUV	175.6880, -10.1992, 4.6586
Hunter-Lab	66.0750, -5.6338, 12.7736

Details

The CIELCh color **72, 12.010, 101.473** is a light color, and the websafe version is hex **999999**. A complement of this color would be **66, 12.261, 284.760**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 12.430, 102.333**, and **52, 12.170, 102.619** is the 20% darker color. If you saturate the color by 10%, you get **71, 20.400, 100.366**, and if you desaturate by 10%, it is **73, 3.634, 102.549**.

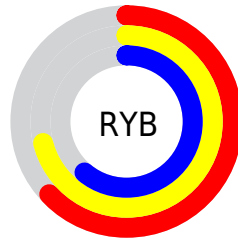
Distribution



Red (71%)

Green (69%)

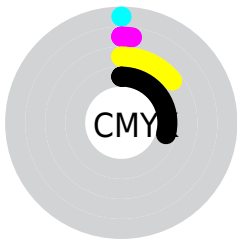
Blue (61%)



Red (63%)

Yellow (71%)

Blue (61%)

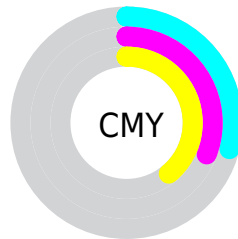


Cyan (0%)

Magenta (2%)

Yellow (14%)

Black (29%)



Cyan (29%)


Magenta (31%)


Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 12.010, 101.473 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, 12.010, 101.473 by changing the saturation by 10% instead.


 72, 12.010,
101.473


 72, 12.010,
101.473


 100, 12.010,
101.473


 62, 12.010,
101.473


 92, 12.010,
101.473

 52, 12.010,
101.473

 42, 12.010,
101.473

 32, 12.010,
101.473

 22, 12.010,
101.473

 12, 12.010,
101.473

 2, 12.010, 101.473

0, 12.010, 101.473

72, 12.010,
101.473

72, 12.010,
101.473

71, 20.400,
100.366

73, 3.634, 102.549

70, 28.746, 99.230

74, 4.702, 283.666

69, 36.957, 98.084

76, 12.979,
284.668

68, 44.875, 96.938

77, 21.188,
285.639

67, 52.245, 95.802

78, 29.324,
286.567

66, 58.674, 94.682

65, 63.627, 93.570

79, 32.826,
286.087

64, 66.570, 92.441

80, 31.381,

■ 64, 67.634, 91.798 283.985

■ 81, 29.981,
281.697

■ 81, 28.633,
279.201

Harmonies

Complementary

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



72, 12.010, 101.473



66, 12.261, 284.760

Rectangle

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



72, 12.010, 101.473



72, 12.010, 151.473



72, 12.010, 281.473



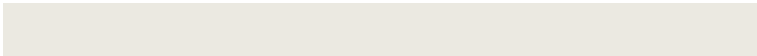
72, 12.010, 331.473

Sweetspot

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



72, 12.011, 101.481



92, 4.112, 102.578



66, 10.407, 7.132



49, 2.922, 102.504



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



72, 12.011, 101.481



90, 17.561, 101.158



72, 14.465, 122.279



37, 4.676, 102.031



55, 59.802, 91.961



7, 10.532, 99.066

Inverse Universe

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



66, 12.261, 284.760



81, 17.999, 285.153



65, 14.848, 303.867



35, 4.743, 284.123



20, 82.725, 303.464



1, 11.772, 284.881

Previews

White Background



This preview shows how the CIELCh color 72, 12.010, 101.473 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 CIELCh color 72, 12.010, 101.473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

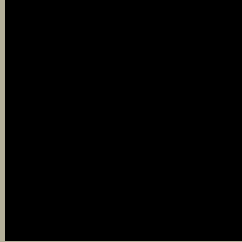
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

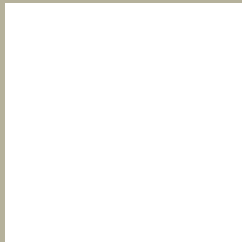
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 12.010, 101.473

Background



This preview shows how black text looks on a background with the CIELCh color 72, 12.010, 101.473.



This preview shows how white text looks on a background with the CIELCh color 72, 12.010, 101.473.

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, 12.010, 101.473

Protanopia

72, 12.434, 92.362

Deuteranopia

72, 14.588, 51.421



Tritanopia
72, 8.400, 322.676

Trichromacy



Original Color
72, 12.010, 101.473

Protanomaly
72, 12.326, 94.135

Deuteranomaly
72, 12.462, 67.269

Tritanomaly
72, 3.826, 11.453

Monochromacy



Original Color
72, 12.010, 101.473

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 4.398, 99.747

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 12.010, 101.473 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(181, 177, 155)` looks like.

```
.text, #text, p{  
    color:rgb(181, 177, 155)  
}
```

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(181, 177, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 177, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 12.010, 101.473 is called "border". The border property can be set on classes, ids or directly on the HTML element.

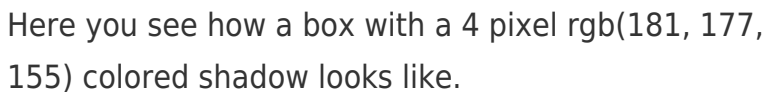
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 177, 155) }
```

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

```
.border{ border-color:rgb(181, 177, 155) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 177, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 177, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 177, 155); box-shadow:4px 4px 4px 4px rgb(181, 177, 155) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 12.010, 101.473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 177, 155) }
```

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

```
.background{ background-color: rgb(181,  
177, 155) }
```

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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