

Converting Colors

CIELCh(71, 12.038, 116.433)

Have a look what the booklet for
CIELCh(71, 12.038, 116.433)
contains.

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Color

CIELCh(71, 12.051, 116.429)

Conversions

Conversions Part 1

Format	Color
Hex	ACB09A
RGB	172, 176, 154
RGB Percent	67%, 69%, 60%
CMY	0.3252, 0.3095, 0.3958
CMYK	0.02, 0.00, 0.12, 0.31
HSL	71°, 12%, 65%
HSV	71°, 12%, 69%
XYZ	38.4018, 42.1875, 36.7170
YIQ	172.2960, 4.6780, -7.6900

Conversions

Conversions Part 2

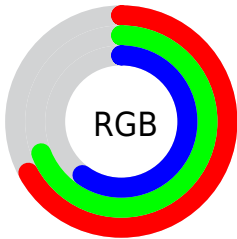
Format	Color
RYB	154, 176, 158
Decimal	11317402
CIELab	71.00, -5.36, 10.79
CIELCh	71, 12.051, 116.429
Yxy	42.1875, 0.3274, 0.3596
Android (android.graphics.Color)	4289507482 (0xFFACB09A)
YUV	172.2960, -9.0199, -0.2596
Hunter-Lab	64.9519, -8.1304, 11.9500

Details

The CIELCh color $71, 12.051, 116.429$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $65, 12.379, 298.227$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 12.523, 117.623$, and $51, 12.263, 116.504$ is the 20% darker color. If you saturate the color by 10%, you get $70, 21.631, 115.730$, and if you desaturate by 10%, it is $72, 2.405, 117.129$.

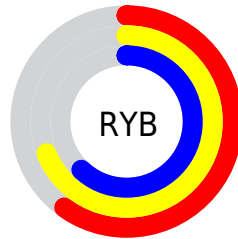
Distribution



Red (67%)

Green (69%)

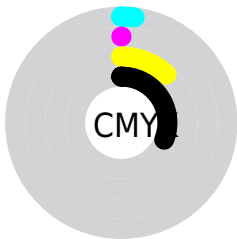
Blue (60%)



Red (60%)

Yellow (69%)

Blue (62%)

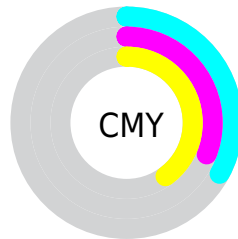


Cyan (2%)

Magenta (0%)

Yellow (12%)

Black (31%)



Cyan (33%)


Magenta (31%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 12.051, 116.429 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, 12.051, 116.429 by changing the saturation by 10% instead.


 71, 12.051,
116.429


 71, 12.051,
116.429


 100, 12.051,
116.429


 61, 12.051,
116.429


 91, 12.051,
116.429

 51, 12.051,
116.429

 41, 12.051,
116.429

 31, 12.051,
116.429

 21, 12.051,
116.429

 11, 12.051,
116.429

 1, 12.051, 116.429

0, 12.051, 116.429

71, 12.051,
116.429

71, 12.051,
116.429

70, 21.631,
115.730

72, 2.405, 117.129

70, 31.064,
115.031

72, 7.259, 297.797

69, 40.237,
114.362

73, 16.903,
298.439

69, 48.978,
113.758

74, 26.500,
299.048

68, 57.029,
113.271

75, 36.031,
299.620

68, 64.032,
112.969

76, 42.994,
300.376

76, 43.111,

■ 68, 69.555,
112.937

301.725

■ 67, 73.218,
113.254

■ 76, 43.249,
303.078

■ 67, 75.007,
113.671

■ 76, 43.409,
304.432

Harmonies

Complementary

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



71, 12.051, 116.429



65, 12.379, 298.227

Rectangle

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



71, 12.051, 116.429



71, 12.051, 166.429



71, 12.051, 296.429



71, 12.051, 346.429

Sweetspot

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



71, 12.053, 116.434



91, 4.784, 117.021



66, 7.481, 35.598



48, 3.397, 116.970



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, 12.053, 116.434



90, 17.934, 116.240



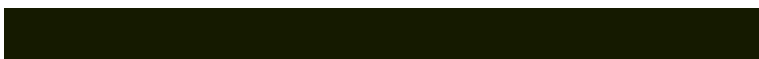
70, 13.294, 134.149



38, 5.525, 116.656



59, 67.603, 113.559



8, 13.555, 120.249

Inverse Universe

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



65, 12.379, 298.227



80, 18.525, 298.456



65, 13.441, 315.173



35, 5.639, 297.975



18, 90.084, 307.206



1, 13.396, 295.688

Previews

White Background



This preview shows how the CIELCh color 71, 12.051, 116.429 looks on a white background.

Color Contrast Check

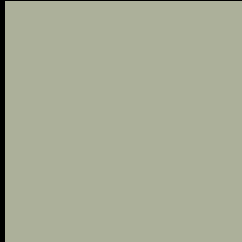
Large Text (above 18pt) WCAG AA × Fail

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 71, 12.051, 116.429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

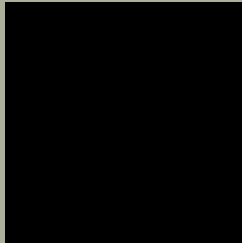
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

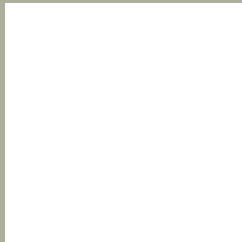
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 12.051, 116.429

Background



This preview shows how black text looks on a background with the CIELCh color 71, 12.051, 116.429.



This preview shows how white text looks on a background with the CIELCh color 71, 12.051, 116.429.

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, 12.051, 116.429

Protanopia

71, 11.433, 90.948

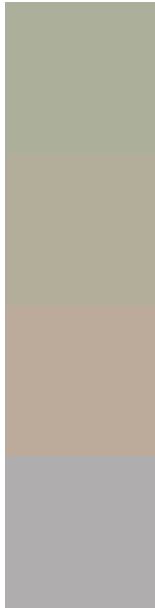
Deuteranopia

71, 13.408, 46.636



Tritanopia
71, 7.365, 305.285

Trichromacy



Original Color
71, 12.051, 116.429

Protanomaly
71, 11.510, 101.165

Deuteranomaly
71, 10.856, 68.303

Tritanomaly
71, 0.939, 343.352

Monochromacy



Original Color
71, 12.051, 116.429

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 4.375, 114.732

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 12.051, 116.429 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(172, 176, 154)` looks like.

```
.text, #text, p{  
    color:rgb(172, 176, 154)  
}
```

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(172, 176, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 176, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 12.051, 116.429 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(172, 176, 154) }
```

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

```
.border{ border-color:rgb(172, 176, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 176, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 176, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 176, 154);  
box-shadow:4px 4px 4px 4px rgb(172, 176,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 12.051, 116.429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 176, 154) }
```

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

```
.background{ background-color: rgb(172,  
176, 154) }
```

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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