

Converting Colors

CIELCh(71, 40.509, 106.339)

Have a look what the booklet for
CIELCh(71, 40.509, 106.339)
contains.

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Color

CIELCh(71, 40.322, 106.137)

Conversions

Conversions Part 1

Format	Color
Hex	B2B266
RGB	178, 178, 102
RGB Percent	70%, 70%, 40%
CMY	0.3025, 0.3025, 0.6005
CMYK	0.00, 0.00, 0.43, 0.30
HSL	60°, 33%, 55%
HSV	60°, 43%, 70%
XYZ	36.6093, 42.1875, 18.7485
YIQ	169.3360, 24.3960, -23.6360

Conversions

Conversions Part 2

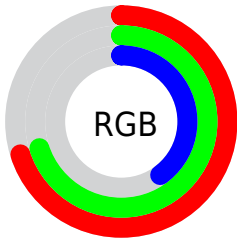
Format	Color
RYB	102, 178, 102
Decimal	11711078
CIELab	71.00, -11.21, 38.73
CIELCh	71, 40.322, 106.137
Yxy	42.1875, 0.3753, 0.4325
Android (android.graphics.Color)	4289901158 (0xFFB2B266)
YUV	169.3360, -33.1966, 7.5983
Hunter-Lab	64.9519, -13.0565, 28.3522

Details

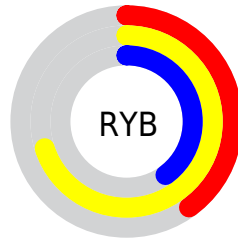
The CIELCh color **71, 40.322, 106.137** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **46, 45.058, 295.963**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 40.664, 106.303**, and **51, 40.336, 106.295** is the 20% darker color. If you saturate the color by 10%, you get **71, 48.994, 105.270**, and if you desaturate by 10%, it is **71, 31.199, 107.062**.

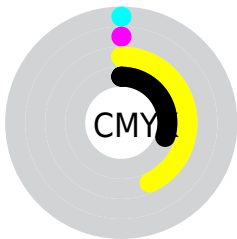
Distribution



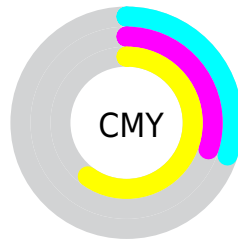
- Red (70%)
- Green (70%)
- Blue (40%)



- Red (40%)
- Yellow (70%)
- Blue (40%)



- Cyan (0%)
- Magenta (0%)
- Yellow (43%)
- Black (30%)





- Cyan (30%)
- Magenta (30%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 40.322, 106.137 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, 40.322, 106.137 by changing the saturation by 10% instead.


 71, 40.322,
106.137


 71, 40.322,
106.137


 100, 40.322,
106.137


 61, 40.322,
106.137


 91, 40.322,
106.137

 51, 40.322,
106.137

 41, 40.322,
106.137

 31, 40.322,
106.137

 21, 40.322,
106.137

 11, 40.322,
106.137

 1, 40.322, 106.137

■ 0, 40.322, 106.137

■ 71, 40.322,
106.137

■ 71, 40.322,
106.137

■ 71, 48.994,
105.270

■ 71, 31.199,
107.062

■ 71, 56.938,
104.484

■ 72, 21.802,
108.012

■ 70, 63.781,
103.820

■ 72, 12.251,
108.969

■ 70, 69.074,
103.315

■ 72, 2.623, 109.904

■ 70, 72.442,
102.999

■ 73, 7.032, 290.868

■ 70, 73.955,
102.859

■ 73, 16.682,
291.770

■ 74, 26.304,

292.642

■ 75, 35.879,
293.476

■ 75, 41.690,
293.965

Harmonies

Complementary

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



71, 40.322, 106.137



46, 45.058, 295.963

Rectangle

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



71, 40.322, 106.137



71, 40.322, 156.137



71, 40.322, 286.137



71, 40.322, 336.137

Sweetspot

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



71, 40.323, 106.140



91, 15.533, 108.921



52, 33.281, 23.675



49, 10.950, 108.712



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



71, 40.323, 106.140



90, 58.919, 105.341



68, 43.481, 127.092



38, 5.471, 109.293



61, 66.185, 102.859



8, 13.294, 110.088

Inverse Universe

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



46, 45.058, 295.963



53, 68.035, 297.746



50, 46.229, 311.194



34, 5.590, 291.135



17, 91.389, 306.288



1, 13.317, 290.181

Previews

White Background



This preview shows how the CIELCh color 71, 40.322, 106.137 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, 40.322, 106.137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

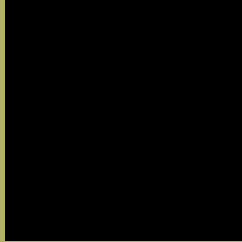
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 40.322, 106.137

Background



This preview shows how black text looks on a background with the CIELCh color 71, 40.322, 106.137.



This preview shows how white text looks on a background with the CIELCh color 71, 40.322, 106.137.

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, 40.322, 106.137

Protanopia

71, 40.106, 96.238

Deuteranopia

71, 38.822, 76.409



Tritanopia
71, 9.814, 334.009

Trichromacy



Original Color
71, 40.322, 106.137

Protanomaly
71, 39.723, 99.340

Deuteranomaly
71, 37.832, 87.118

Tritanomaly
71, 11.375, 84.429

Monochromacy



Original Color
71, 40.322, 106.137

Achromatopsia
69, 0.009, 296.813

Achromatomaly
70, 14.693, 108.684

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 40.322, 106.137 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(178, 178, 102)` looks like.

```
.text, #text, p{  
    color:rgb(178, 178, 102)  
}
```

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(178, 178, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 178, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 40.322, 106.137 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(178, 178, 102) }
```

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

```
.border{ border-color:rgb(178, 178, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 178, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 178, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 178, 102);  
box-shadow:4px 4px 4px 4px rgb(178, 178,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 40.322, 106.137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 178, 102) }
```

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

```
.background{ background-color: rgb(178,  
178, 102) }
```

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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