

Converting Colors

CIELCh(71, 40.785, 98.786)

Have a look what the booklet for
CIELCh(71, 40.785, 98.786) contains.

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Color

CIELCh(71, 40.785, 98.786)

Conversions

Conversions Part 1

Format	Color
Hex	BBAF63
RGB	187, 175, 99
RGB Percent	73%, 69%, 39%
CMY	0.2662, 0.3133, 0.6113
CMYK	0.00, 0.06, 0.47, 0.27
HSL	52°, 39%, 56%
HSV	52°, 47%, 73%
XYZ	38.1326, 42.1875, 17.9644
YIQ	169.9240, 31.5480, -21.0920

Conversions

Conversions Part 2

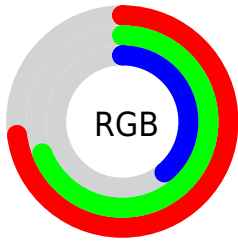
Format	Color
RYB	113, 187, 99
Decimal	12300131
CIELab	71.00, -6.23, 40.31
CIELCh	71, 40.785, 98.786
Yxy	42.1875, 0.3880, 0.4292
Android (android.graphics.Color)	4290490211 (0xFFBBAF63)
YUV	169.9240, -34.9655, 14.9757
Hunter-Lab	64.9519, -8.8703, 29.0679

Details

The CIELCh color **71, 40.785, 98.786** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **49, 44.573, 291.232**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 40.760, 98.340**, and **51, 40.656, 98.894** is the 20% darker color. If you saturate the color by 10%, you get **70, 48.865, 97.678**, and if you desaturate by 10%, it is **72, 32.317, 99.911**.

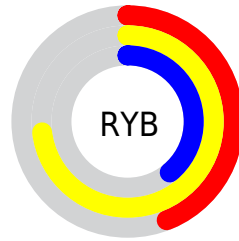
Distribution



Red (73%)

Green (69%)

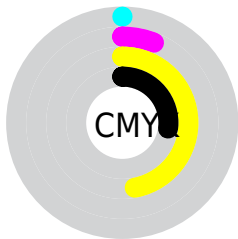
Blue (39%)



Red (44%)

Yellow (73%)

Blue (39%)

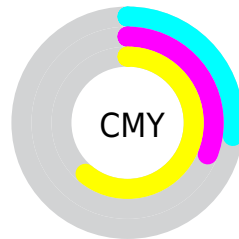


Cyan (0%)

Magenta (6%)

Yellow (47%)

Black (27%)



Cyan (27%)

Magenta (31%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 40.785, 98.786 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, 40.785, 98.786 by changing the saturation by 10% instead.

■ 71, 40.785, 98.786

■ 71, 40.785, 98.786

■ 100, 40.785,
98.786

■ 61, 40.785, 98.786

■ 91, 40.785, 98.786

■ 51, 40.785, 98.786

■ 41, 40.785, 98.786

■ 31, 40.785, 98.786

■ 21, 40.785, 98.786

■ 11, 40.785, 98.786

■ 1, 40.785, 98.786

■ 0, 40.785, 98.786

■ 71, 40.785, 98.786

■ 71, 40.785, 98.786

70, 48.865, 97.678

72, 32.317, 99.911

69, 56.250, 96.589

73, 23.651,
101.031

68, 62.488, 95.531

74, 14.903,
102.136

68, 67.016, 94.500

67, 69.437, 93.473

75, 6.141, 103.210

67, 69.986, 93.171

76, 2.595, 284.328

77, 11.282,
285.311

79, 19.906,
286.283

80, 28.460,
287.214

81, 30.373,
286.226

Harmonies

Complementary

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



71, 40.785, 98.786



49, 44.573, 291.232

Rectangle

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



71, 40.785, 98.786



71, 40.785, 148.786



71, 40.785, 278.786



71, 40.785, 328.786

Sweetspot

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



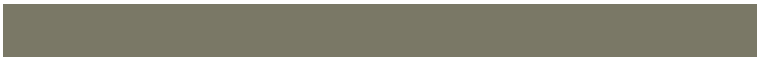
71, 40.786, 98.789



94, 15.101, 102.442



53, 37.673, 13.291



50, 10.513, 102.206



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



71, 40.786, 98.789



89, 59.190, 97.692



72, 47.872, 121.197



39, 4.985, 102.965



57, 61.847, 93.308



9, 14.111, 99.066

Inverse Universe

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



49, 44.573, 291.232



56, 66.687, 293.495



49, 52.585, 306.802



37, 5.062, 285.041



20, 86.217, 303.968



2, 15.737, 286.521

Previews

White Background



This preview shows how the CIELCh color 71, 40.785, 98.786 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, 40.785, 98.786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

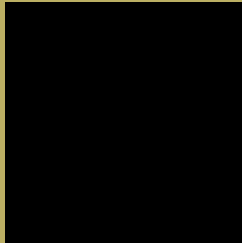
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 40.785, 98.786

Background



This preview shows how black text looks on a background with the CIELCh color 71, 40.785, 98.786.



This preview shows how white text looks on a background with the CIELCh color 71, 40.785, 98.786.

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, 40.785, 98.786

Protanopia

71, 40.691, 95.695

Deuteranopia

71, 40.690, 77.563



Tritanopia
71, 13.070, 347.837

Trichromacy



Original Color
71, 40.785, 98.786

Protanomaly
71, 40.606, 96.298

Deuteranomaly
71, 40.010, 85.254

Tritanomaly
71, 13.915, 67.571

Monochromacy



Original Color
71, 40.785, 98.786

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 15.308, 102.626

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 40.785, 98.786 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(187, 175, 99)` looks like.

```
.text, #text, p{  
    color:rgb(187, 175, 99)  
}
```

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(187, 175, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 175, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 40.785, 98.786 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(187, 175, 99) }
```

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

```
.border{ border-color:rgb(187, 175, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 175, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 175, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 175, 99);  
box-shadow:4px 4px 4px 4px rgb(187, 175,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 40.785, 98.786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 175, 99) }
```

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

```
.background{ background-color: rgb(187,  
175, 99) }
```

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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