

Converting Colors

CIELCh(70, 33.787, 99.080)

Have a look what the booklet for
CIELCh(70, 33.787, 99.080) contains.

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Color

CIELCh(70, 33.696, 98.771)

Conversions

Conversions Part 1

Format	Color
Hex	B7AC6E
RGB	183, 172, 110
RGB Percent	72%, 67%, 43%
CMY	0.2820, 0.3251, 0.5683
CMYK	0.00, 0.06, 0.40, 0.28
HSL	51°, 34%, 57%
HSV	51°, 40%, 72%
XYZ	37.1428, 40.7494, 20.6856
YIQ	168.2210, 26.4580, -16.9500

Conversions

Conversions Part 2

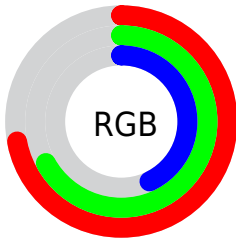
Format	Color
RYB	123, 183, 110
Decimal	12037230
CIELab	70.00, -5.14, 33.30
CIElCh	70, 33.696, 98.771
Yxy	40.7494, 0.3768, 0.4134
Android (android.graphics.Color)	4290227310 (0xFFB7AC6E)
YUV	168.2210, -28.7030, 12.9612
Hunter-Lab	63.8353, -7.8509, 25.4720

Details

The CIELCh color **70, 33.696, 98.771** is a light color, and the websafe version is hex **999966**. A complement of this color would be **52, 36.001, 289.053**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 33.781, 98.616**, and **50, 33.715, 98.569** is the 20% darker color. If you saturate the color by 10%, you get **69, 41.860, 97.632**, and if you desaturate by 10%, it is **71, 25.315, 99.915**.

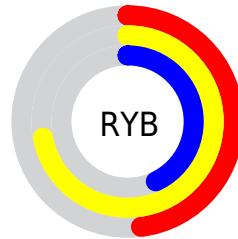
Distribution



Red (72%)

Green (67%)

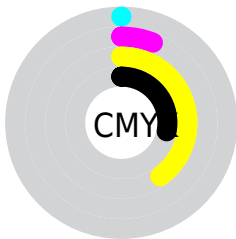
Blue (43%)



Red (48%)

Yellow (72%)

Blue (43%)

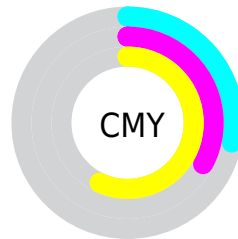


Cyan (0%)

Magenta (6%)

Yellow (40%)

Black (28%)



Cyan (28%)

Magenta (33%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 33.696, 98.771 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 70, 33.696, 98.771 by changing the saturation by 10% instead.

■ 70, 33.696, 98.771

■ 70, 33.696, 98.771

■ 100, 33.696,
98.771

■ 60, 33.696, 98.771

■ 90, 33.696, 98.771

■ 50, 33.696, 98.771

■ 40, 33.696, 98.771

■ 30, 33.696, 98.771

■ 20, 33.696, 98.771

■ 10, 33.696, 98.771

■ 0, 33.696, 98.771

■ 70, 33.696, 98.771

■ 70, 33.696, 98.771

■ 69, 41.860, 97.632

■ 71, 25.315, 99.915

68, 49.595, 96.496

72, 16.841,
101.040

67, 56.568, 95.377

73, 8.350, 102.138

66, 62.298, 94.274

74, 0.116, 284.283

66, 66.215, 93.173

76, 8.532, 284.281

65, 68.289, 92.051

77, 16.885,
285.271

65, 68.314, 92.037

78, 25.167,
286.222

80, 32.547,
286.883

80, 31.101,
284.819

Harmonies

Complementary

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



70, 33.696, 98.771



52, 36.001, 289.053

Rectangle

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



70, 33.696, 98.771



70, 33.696, 148.771



70, 33.696, 278.771



70, 33.696, 328.771

Sweetspot

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



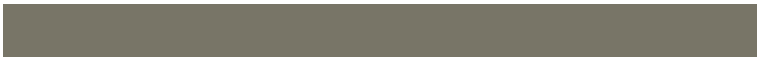
70, 33.697, 98.775



92, 12.531, 101.886



55, 31.005, 10.642



49, 8.382, 101.745



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



70, 33.697, 98.775



87, 49.762, 97.755



71, 40.051, 120.878



38, 4.801, 102.196



56, 60.626, 92.190



8, 12.202, 98.897

Inverse Universe

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



52, 36.001, 289.053



61, 54.354, 290.916



51, 43.343, 305.704



36, 4.871, 284.291



20, 84.058, 303.577



2, 13.694, 285.434

Previews

White Background



This preview shows how the CIELCh color 70, 33.696, 98.771 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 70, 33.696, 98.771 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 70, 33.696, 98.771

Background



This preview shows how black text looks on a background with the CIELCh color 70, 33.696, 98.771.



This preview shows how white text looks on a background with the CIELCh color 70, 33.696, 98.771.

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

70, 33.696, 98.771

Protanopia

70, 33.518, 95.784

Deuteranopia

70, 33.968, 74.956



Tritanopia
70, 12.153, 344.778

Trichromacy



Original Color
70, 33.696, 98.771

Protanomaly
70, 33.432, 96.506

Deuteranomaly
70, 33.349, 83.447

Tritanomaly
70, 11.050, 63.391

Monochromacy



Original Color
70, 33.696, 98.771

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 12.112, 101.405

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 33.696, 98.771 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(183, 172, 110)` looks like.

```
.text, #text, p{  
    color:rgb(183, 172, 110)  
}
```

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(183, 172, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 172, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 33.696, 98.771 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(183, 172, 110) }
```

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

```
.border{ border-color:rgb(183, 172, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 172, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 172, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 172, 110);  
box-shadow:4px 4px 4px 4px rgb(183, 172,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 33.696, 98.771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 172, 110) }
```

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

```
.background{ background-color: rgb(183,  
172, 110) }
```

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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