

Converting Colors

CIELCh(49, 35.088, 83.320)

Have a look what the booklet for
CIELCh(49, 35.088, 83.320) contains.

CIELCh(49, 35.071, 83.311)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(49, 35.071, 83.311)

Conversions

Conversions Part 1

Format	Color
Hex	8C7038
RGB	140, 112, 56
RGB Percent	55%, 44%, 22%
CMY	0.4491, 0.5590, 0.7787
CMYK	0.00, 0.20, 0.60, 0.45
HSL	40°, 43%, 39%
HSV	40°, 60%, 55%
XYZ	17.4648, 17.5941, 6.2711
YIQ	113.9880, 34.6640, -11.4800

Conversions

Conversions Part 2

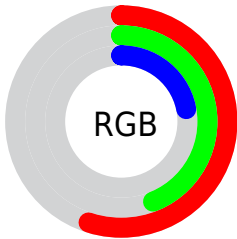
Format	Color
RYB	98, 140, 56
Decimal	9203768
CIELab	49.00, 4.09, 34.83
CIELCh	49, 35.071, 83.311
Yxy	17.5941, 0.4226, 0.4257
Android (android.graphics.Color)	4287393848 (0xFF8C7038)
YUV	113.9880, -28.5881, 22.8125
Hunter-Lab	41.9453, 0.9181, 20.4975

Details

The CIELCh color **49, 35.071, 83.311** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **36, 35.128, 282.494**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 35.130, 83.499**, and **29, 35.227, 83.868** is the 20% darker color. If you saturate the color by 10%, you get **48, 40.749, 81.837**, and if you desaturate by 10%, it is **50, 29.140, 84.719**.

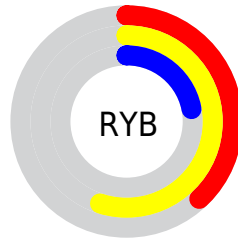
Distribution



Red (55%)

Green (44%)

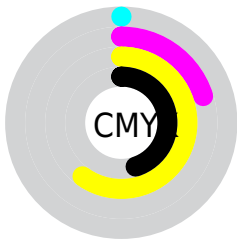
Blue (22%)



Red (38%)

Yellow (55%)

Blue (22%)

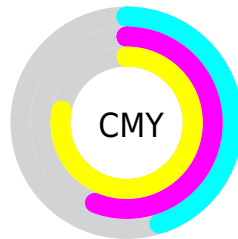


Cyan (0%)

Magenta (20%)

Yellow (60%)

Black (45%)



Cyan (45%)













Magenta (56%)







Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 35.071, 83.311 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 49, 35.071, 83.311 by changing the saturation by 10% instead.

 49, 35.071, 83.311	 49, 35.071, 83.311
 100, 35.071, 83.311	 39, 35.071, 83.311
 69, 35.071, 83.311	 29, 35.071, 83.311
 79, 35.071, 83.311	 19, 35.071, 83.311
 89, 35.071, 83.311	 9, 35.071, 83.311
 99, 35.071, 83.311	 0, 35.071, 83.311

 49, 35.071, 83.311	 49, 35.071, 83.311
 48, 40.749, 81.837	 50, 29.140, 84.719
 46, 45.848, 80.228	 52, 23.144, 86.075

■ 45, 49.876, 78.376

■ 54, 17.184, 87.391

■ 44, 52.934, 76.339

■ 55, 11.312, 88.668

■ 44, 52.989, 76.309

■ 57, 5.549, 89.894

■ 58, 0.097, 273.037

■ 60, 5.628, 272.317

■ 62, 11.048,
273.408

■ 64, 16.365,
274.460

Harmonies

Complementary

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



49, 35.071, 83.311



36, 35.128, 282.494

Rectangle

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



49, 35.071, 83.311



49, 35.071, 133.311



49, 35.071, 263.311



49, 35.071, 313.311

Sweetspot

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



49, 35.071, 83.315



71, 12.750, 88.849



36, 38.734, 0.760



36, 8.852, 88.523



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



49, 35.071, 83.315



61, 52.042, 81.257



56, 45.658, 111.958



29, 3.225, 89.971



42, 51.524, 76.419



1, 2.165, 91.105

Inverse Universe

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



36, 35.128, 282.494



42, 53.349, 286.711



30, 53.525, 302.527



28, 3.225, 272.302



22, 59.374, 295.622



1, 2.166, 271.112

Previews

White Background



This preview shows how the CIELCh color 49, 35.071, 83.311 looks on a white 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 × Fail

Black Background



This preview shows how the CIE LCh color 49, 35.071, 83.311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 49, 35.071, 83.311

Background



This preview shows how black text looks on a background with the CIELCh color 49, 35.071, 83.311.



This preview shows how white text looks on a background with the CIELCh color 49, 35.071, 83.311.

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


49, 35.071, 83.311

Protanopia

49, 34.047, 96.086

Deuteranopia

49, 35.238, 79.271



Tritanopia
49, 16.924, 5.666

Trichromacy



Original Color
49, 35.071, 83.311

Protanomaly
49, 34.267, 91.242

Deuteranomaly
49, 35.218, 80.965

Tritanomaly
49, 18.101, 49.597

Monochromacy



Original Color
49, 35.071, 83.311

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 12.694, 86.283

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 35.071, 83.311 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(140, 112, 56)` looks like.

```
.text, #text, p{  
    color:rgb(140, 112, 56)  
}
```

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(140, 112, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 112, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 35.071, 83.311 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(140, 112, 56) }
```

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

```
.border{ border-color:rgb(140, 112, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 112, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 112, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 112, 56);  
box-shadow:4px 4px 4px 4px rgb(140, 112,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 35.071, 83.311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 112, 56) }
```

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

```
.background{ background-color: rgb(140,  
112, 56) }
```

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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