

Converting Colors

CIELCh(48, 71.312, 133.327)

Have a look what the booklet for
CIELCh(48, 71.312, 133.327)
contains.

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Color

CIELCh(48, 71.110, 133.538)

Conversions

Conversions Part 1

Format	Color
Hex	228400
RGB	34, 132, 0
RGB Percent	13%, 52%, 0%
CMY	0.8676, 0.4830, 1.0000
CMYK	0.74, 0.00, 1.00, 0.48
HSL	105°, 100%, 26%
HSV	105°, 100%, 52%
XYZ	8.8800, 16.7945, 2.7664
YIQ	87.6500, -16.0360, -61.8280

Conversions

Conversions Part 2

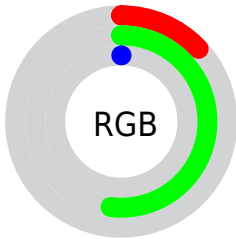
Format	Color
RYB	0, 132, 98
Decimal	2262016
CIELab	48.00, -48.98, 51.55
CIELCh	48, 71.110, 133.538
Yxy	16.7945, 0.3122, 0.5905
Android (android.graphics.Color)	4280452096 (0xFF228400)
YUV	87.6500, -43.2114, -47.0510
Hunter-Lab	40.9810, -33.0386, 24.6844

Details

The CIELCh color **48, 71.110, 133.538** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **25, 72.727, 319.023**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **68, 71.035, 133.640**, and **29, 52.097, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **48, 71.069, 133.561**, and if you desaturate by 10%, it is **48, 67.700, 133.342**.

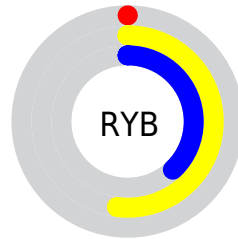
Distribution



Red (13%)

Green (52%)

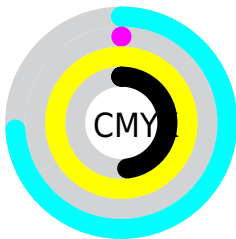
Blue (0%)



Red (0%)

Yellow (52%)

Blue (38%)

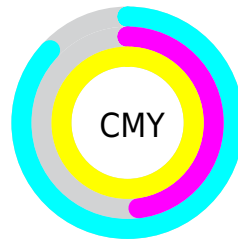


Cyan (74%)

Magenta (0%)

Yellow (100%)

Black (48%)



Cyan (87%)

Magenta (48%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 71.110, 133.538 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 48, 71.110, 133.538 by changing the saturation by 10% instead.

 48, 71.110,
133.538


 48, 71.110,
133.538


 100, 71.110,
133.538


 38, 71.110,
133.538

 68, 71.110,
133.538


 28, 71.110,
133.538

 78, 71.110,
133.538

 18, 71.110,
133.538

 88, 71.110,
133.538

 8, 71.110, 133.538

 98, 71.110,
133.538

 0, 71.110, 133.538

 48, 71.110,

 48, 71.110,

133.538

133.538

■ 48, 71.069,
133.561

■ 48, 67.700,
133.342

■ 49, 63.168,
133.271

■ 49, 57.233,
133.520

■ 50, 50.237,
133.973

■ 50, 42.506,
134.528

■ 51, 34.303,
135.112

■ 52, 25.824,
135.681

■ 53, 17.213,
136.212

Harmonies

Complementary

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



48, 71.110, 133.538



25, 72.727, 319.023

Rectangle

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



48, 71.110, 133.538



48, 71.110, 183.538



48, 71.110, 313.538



48, 71.110, 3.538

Sweetspot

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



48, 71.069, 133.561



66, 31.911, 135.643



43, 51.232, 82.562



34, 21.921, 135.440



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



48, 71.069, 133.561



61, 86.188, 133.824



48, 66.966, 139.855



27, 4.858, 136.739



47, 70.355, 133.545



1, 1.161, 137.108

Inverse Universe

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



25, 72.727, 319.023



33, 87.992, 318.837



29, 59.462, 339.840



26, 4.890, 317.462



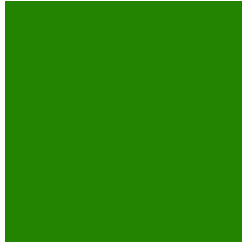
24, 72.008, 319.034



0, 1.161, 317.105

Previews

White Background



This preview shows how the CIELCh color 48, 71.110, 133.538 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 48, 71.110, 133.538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

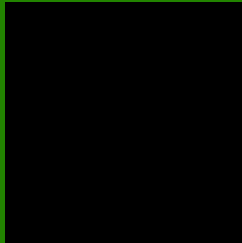
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 71.110, 133.538

Background



This preview shows how black text looks on a background with the CIELCh color 48, 71.110, 133.538.



This preview shows how white text looks on a background with the CIELCh color 48, 71.110, 133.538.

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
48, 71.110, 133.538

Protanopia
48, 53.971, 95.537

Deuteranopia
48, 47.307, 82.594



Tritanopia
48, 20.040, 212.988

Trichromacy



Original Color
48, 71.110, 133.538

Protanomaly
47, 57.075, 115.181

Deuteranomaly
47, 51.007, 110.867

Tritanomaly
47, 37.044, 154.168

Monochromacy



Original Color
48, 71.110, 133.538

Achromatopsia
37, 0.005, 296.813

Achromatomaly
40, 32.353, 134.380

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 71.110, 133.538 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(34, 132, 0)` looks like.

```
.text, #text, p{  
    color:rgb(34, 132, 0)  
}
```

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(34, 132, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 132, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 71.110, 133.538 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(34, 132, 0) }
```

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

```
.border{ border-color:rgb(34, 132, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 132, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 132, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 132, 0);  
box-shadow:4px 4px 4px 4px rgb(34, 132, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 48, 71.110, 133.538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 132, 0) }
```

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

```
.background{ background-color: rgb(34, 132,  
0) }
```

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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