

Converting Colors

CIELCh(48, 39.714, 138.671)

Have a look what the booklet for
CIELCh(48, 39.714, 138.671)
contains.

CIELCh(48, 39.671, 138.697)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(48, 39.671, 138.697)

Conversions

Conversions Part 1

Format	Color
Hex	4A7E44
RGB	74, 126, 68
RGB Percent	29%, 49%, 27%
CMY	0.7098, 0.5059, 0.7333
CMYK	0.41, 0.00, 0.46, 0.51
HSL	114°, 30%, 38%
HSV	114°, 46%, 49%
XYZ	11.3280, 16.7945, 8.1132
YIQ	103.8400, -12.3740, -29.0620

Conversions

Conversions Part 2

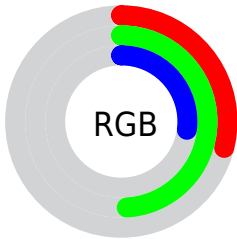
Format	Color
RYB	68, 126, 120
Decimal	4881988
CIELab	48.00, -29.80, 26.18
CIELCh	48, 39.671, 138.697
Yxy	16.7945, 0.3126, 0.4635
Android (android.graphics.Color)	4283072068 (0xFF4A7E44)
YUV	103.8400, -17.6691, -26.1697
Hunter-Lab	40.9810, -22.3759, 16.9488

Details

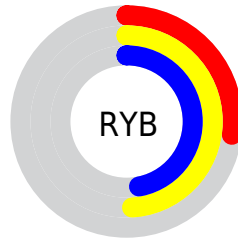
The CIELCh color **48, 39.671, 138.697** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **37, 39.933, 323.677**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 39.559, 138.430**, and **28, 39.586, 138.484** is the 20% darker color. If you saturate the color by 10%, you get **47, 47.600, 137.874**, and if you desaturate by 10%, it is **49, 31.292, 139.473**.

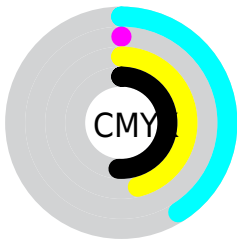
Distribution



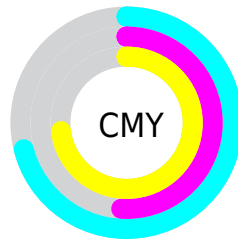
- Red (29%)
- Green (49%)
- Blue (27%)



- Red (27%)
- Yellow (49%)
- Blue (47%)



- Cyan (41%)
- Magenta (0%)
- Yellow (46%)
- Black (51%)



- Cyan (71%)
- Magenta (51%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 39.671, 138.697 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, 39.671, 138.697 by changing the saturation by 10% instead.

 48, 39.671,
138.697


 48, 39.671,
138.697


 100, 39.671,
138.697


 38, 39.671,
138.697

 68, 39.671,
138.697


 28, 39.671,
138.697

 78, 39.671,
138.697

 18, 39.671,
138.697

 88, 39.671,
138.697

 8, 39.671, 138.697

 98, 39.671,
138.697

 0, 39.671, 138.697

 48, 39.671,

 48, 39.671,

138.697

138.697

■ 47, 47.600,
137.874

■ 49, 31.292,
139.473

■ 47, 54.823,
137.054

■ 50, 22.660,
140.177

■ 46, 61.030,
136.325

■ 51, 13.927,
140.801

■ 46, 65.878,
135.800

■ 52, 5.209, 141.360

■ 46, 69.212,
135.519

■ 53, 3.411, 321.744

■ 46, 70.374,
135.325

■ 55, 11.874,
322.177

■ 56, 20.141,
322.524

■ 58, 28.188,
322.817

■ 59,36.004,
323.066

Harmonies

Complementary

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



48, 39.671, 138.697



37, 39.933, 323.677

Rectangle

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



48, 39.671, 138.697



48, 39.671, 188.697



48, 39.671, 318.697



48, 39.671, 8.697

Sweetspot

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



48, 39.672, 138.698



65, 15.017, 140.900



50, 29.469, 100.184



33, 10.323, 140.796



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



48, 39.672, 138.698



60, 57.705, 137.853



48, 30.878, 153.666



26, 4.926, 141.192



46, 70.984, 135.333



0, 0.000, 0.000

Inverse Universe

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



37, 39.933, 323.677



45, 57.980, 324.040



37, 31.596, 341.684



25, 4.943, 322.018



27, 69.597, 324.346



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 39.671, 138.697 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, 39.671, 138.697 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, 39.671, 138.697

Background



This preview shows how black text looks on a background with the CIELCh color 48, 39.671, 138.697.



This preview shows how white text looks on a background with the CIELCh color 48, 39.671, 138.697.

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, 39.671, 138.697

Protanopia
48, 29.422, 95.166

Deuteranopia
48, 25.347, 74.973



Tritanopia
48, 13.008, 225.445

Trichromacy



Original Color
48, 39.671, 138.697

Protanomaly
47, 30.809, 116.240

Deuteranomaly
47, 25.445, 107.701

Tritanomaly
48, 17.924, 167.877

Monochromacy



Original Color
48, 39.671, 138.697

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 14.839, 140.873

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 39.671, 138.697 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(74, 126, 68)` looks like.

```
.text, #text, p{  
    color:rgb(74, 126, 68)  
}
```

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(74, 126, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 126, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 39.671, 138.697 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(74, 126, 68) }
```

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

```
.border{ border-color:rgb(74, 126, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 126, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 126, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 126, 68);  
box-shadow:4px 4px 4px 4px rgb(74, 126,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 39.671, 138.697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 126, 68) }
```

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

```
.background{ background-color: rgb(74, 126,  
68) }
```

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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