

Converting Colors

CIELCh(49, 39.433, 100.016)

Have a look what the booklet for
CIELCh(49, 39.433, 100.016)
contains.

CIELCh(49, 39.215, 100.049)	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(49, 39.215, 100.049)

Conversions

Conversions Part 1

Format	Color
Hex	7D7630
RGB	125, 118, 48
RGB Percent	49%, 46%, 19%
CMY	0.5090, 0.5365, 0.8110
CMYK	0.00, 0.06, 0.62, 0.51
HSL	55°, 44%, 34%
HSV	55°, 62%, 49%
XYZ	15.5271, 17.5941, 5.3944
YIQ	112.1130, 26.6420, -20.2860

Conversions

Conversions Part 2

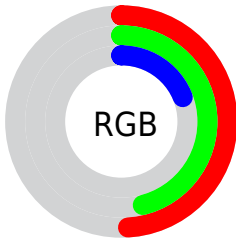
Format	Color
R_{YB}	56, 125, 48
Decimal	8222256
CIE _{Lab}	49.00, -6.84, 38.61
CIE _{LCh}	49, 39.215, 100.049
Yxy	17.5941, 0.4031, 0.4568
Android (android.graphics.Color)	4286412336 (0xFF7D7630)
YUV	112.1130, -31.6077, 11.3019
Hunter-Lab	41.9453, -7.3281, 21.7366

Details

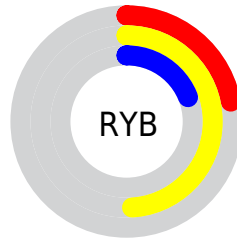
The CIELCh color **49, 39.215, 100.049** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **26, 45.419, 296.062**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 39.324, 99.812**, and **29, 38.172, 100.476** is the 20% darker color. If you saturate the color by 10%, you get **49, 44.453, 99.128**, and if you desaturate by 10%, it is **49, 33.370, 101.026**.

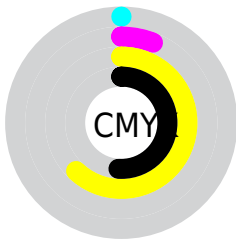
Distribution



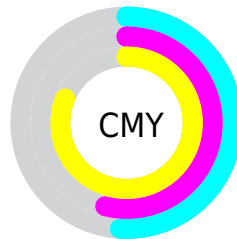
- Red (49%)
- Green (46%)
- Blue (19%)



- Red (22%)
- Yellow (49%)
- Blue (19%)



- Cyan (0%)
- Magenta (6%)
- Yellow (62%)
- Black (51%)



- Cyan (51%)
- Magenta (54%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 39.215, 100.049 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, 39.215, 100.049 by changing the saturation by 10% instead.


 49, 39.215,
100.049


 49, 39.215,
100.049


 100, 39.215,
100.049


 39, 39.215,
100.049

 69, 39.215,
100.049

 29, 39.215,
100.049

 79, 39.215,
100.049

 19, 39.215,
100.049

 89, 39.215,
100.049

 9, 39.215, 100.049

 99, 39.215,
100.049

 0, 39.215, 100.049

 49, 39.215,

 49, 39.215,

100.049

100.049

■ 49, 44.453, 99.128

■ 49, 33.370,
101.026

■ 48, 48.761, 98.274

■ 50, 27.154,
102.033

■ 48, 51.780, 97.499

■ 47, 53.746, 96.884

■ 51, 20.726,
103.055

■ 51, 14.184,
104.078

■ 52, 7.593, 105.087

■ 52, 0.990, 106.017

■ 53, 5.599, 287.069

■ 54, 12.160,
287.994

■ 55, 18.684,

Harmonies

Complementary

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



49, 39.215, 100.049



26, 45.419, 296.062

Rectangle

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



49, 39.215, 100.049



49, 39.215, 150.049



49, 39.215, 280.049



49, 39.215, 330.049

Sweetspot

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



49, 39.215, 100.052



66, 14.746, 104.391



31, 36.324, 20.058



34, 10.193, 104.143



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



49, 39.215, 100.052



62, 56.310, 98.754



49, 44.674, 122.732



27, 3.772, 105.325



48, 54.447, 96.872



0, 0.000, 0.000

Inverse Universe

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



26, 45.419, 296.062



29, 69.353, 299.498



28, 50.045, 309.169



25, 3.836, 287.203



14, 75.332, 304.592



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 39.215, 100.049 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 CIELCh color 49, 39.215, 100.049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

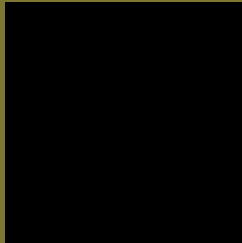
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 39.215, 100.049

Background



This preview shows how black text looks on a background with the CIELCh color 49, 39.215, 100.049.



This preview shows how white text looks on a background with the CIELCh color 49, 39.215, 100.049.

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, 39.215, 100.049

Protanopia

49, 39.156, 95.837

Deuteranopia

49, 38.630, 81.011



Tritanopia
49, 10.054, 349.067

Trichromacy



Original Color
49, 39.215, 100.049

Protanomaly
49, 38.995, 97.222

Deuteranomaly
49, 38.525, 88.476

Tritanomaly
49, 13.697, 77.738

Monochromacy



Original Color
49, 39.215, 100.049

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 14.685, 103.031

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 39.215, 100.049 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(125, 118, 48)` looks like.

```
.text, #text, p{  
    color:rgb(125, 118, 48)  
}
```

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(125, 118, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 118, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 39.215, 100.049 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(125, 118, 48) }
```

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

```
.border{ border-color:rgb(125, 118, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 118, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 118, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 118, 48);  
box-shadow:4px 4px 4px 4px rgb(125, 118,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 39.215, 100.049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 118, 48) }
```

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

```
.background{ background-color: rgb(125,  
118, 48) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor