

Converting Colors

CIELCh(49, 39.641, 106.561)

Have a look what the booklet for
CIELCh(49, 39.641, 106.561)
contains.

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Color

CIELCh(49, 39.496, 106.265)

Conversions

Conversions Part 1

Format	Color
Hex	767831
RGB	118, 120, 49
RGB Percent	46%, 47%, 19%
CMY	0.5361, 0.5283, 0.8068
CMYK	0.02, 0.00, 0.59, 0.53
HSL	62°, 42%, 33%
HSV	62°, 59%, 47%
XYZ	14.8190, 17.5941, 5.5497
YIQ	111.3080, 21.5990, -22.5050

Conversions

Conversions Part 2

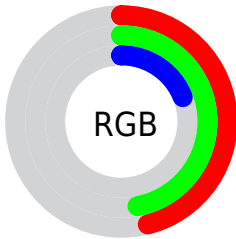
Format	Color
R_{YB}	49, 120, 51
Decimal	7764017
CIE _{Lab}	49.00, -11.06, 37.92
CIE _{LCh}	49, 39.496, 106.265
Yxy	17.5941, 0.3904, 0.4635
Android (android.graphics.Color)	4285954097 (0xFF767831)
YUV	111.3080, -30.7178, 5.8689
Hunter-Lab	41.9453, -10.3412, 21.5172

Details

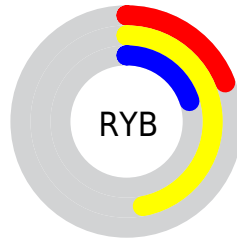
The CIELCh color **49, 39.496, 106.265** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **25, 46.501, 299.434**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 39.500, 106.117**, and **29, 39.006, 106.718** is the 20% darker color. If you saturate the color by 10%, you get **49, 44.975, 105.605**, and if you desaturate by 10%, it is **49, 33.406, 107.030**.

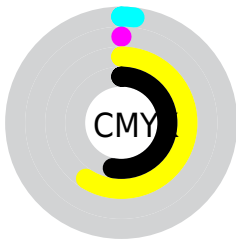
Distribution



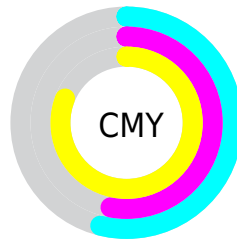
- Red (46%)
- Green (47%)
- Blue (19%)



- Red (19%)
- Yellow (47%)
- Blue (20%)



- Cyan (2%)
- Magenta (0%)
- Yellow (59%)
- Black (53%)



- Cyan (54%)
- Magenta (53%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 39.496, 106.265 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, 39.496, 106.265 by changing the saturation by 10% instead.


 49, 39.496,
106.265


 49, 39.496,
106.265


 100, 39.496,
106.265

 39, 39.496,
106.265

 69, 39.496,
106.265


 29, 39.496,
106.265

 79, 39.496,
106.265

 19, 39.496,
106.265

 89, 39.496,
106.265

 9, 39.496, 106.265

 99, 39.496,
106.265

 0, 39.496, 106.265

 49, 39.496,

 49, 39.496,

106.265

■ 49, 44.975,
105.605

■ 49, 49.561,
105.083

■ 49, 52.952,
104.744

■ 49, 55.387,
104.546

■ 49, 55.626,
104.526

106.265

■ 49, 33.406,
107.030

■ 49, 26.917,
107.859

■ 50, 20.180,
108.725

■ 50, 13.295,
109.607

■ 50, 6.327, 110.488

■ 51, 0.679, 291.420

■ 51, 7.696, 292.222

■ 51, 14.702,
293.042

■ 52, 21.683,

Harmonies

Complementary

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



49, 39.496, 106.265



25, 46.501, 299.434

Rectangle

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



49, 39.496, 106.265



49, 39.496, 156.265



49, 39.496, 286.265



49, 39.496, 336.265

Sweetspot

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



49, 39.497, 106.267



63, 15.516, 109.661



31, 34.342, 27.521



33, 10.856, 109.446



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



49, 39.497, 106.267



62, 56.379, 105.394



46, 43.021, 127.120



26, 3.999, 110.485



50, 57.170, 104.533



96, 96.243, 104.623

Inverse Universe

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



25, 46.501, 299.434



26, 70.197, 302.125



28, 46.638, 312.420



23, 4.082, 292.132



13, 78.719, 306.419



32, 132.678, 306.343

Previews

White Background



This preview shows how the CIELCh color 49, 39.496, 106.265 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, 39.496, 106.265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

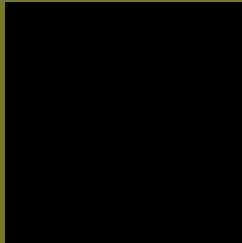
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 39.496, 106.265

Background



This preview shows how black text looks on a background with the CIELCh color 49, 39.496, 106.265.



This preview shows how white text looks on a background with the CIELCh color 49, 39.496, 106.265.

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, 39.496, 106.265

Protanopia

49, 39.156, 95.837

Deuteranopia

49, 37.673, 80.561



Tritanopia
49, 7.183, 332.905

Trichromacy



Original Color
49, 39.496, 106.265

Protanomaly
49, 39.265, 99.357

Deuteranomaly
49, 37.243, 89.611

Tritanomaly
49, 12.067, 94.057

Monochromacy



Original Color
49, 39.496, 106.265

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 15.198, 109.745

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 39.496, 106.265 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(118, 120, 49)` looks like.

```
.text, #text, p{  
    color:rgb(118, 120, 49)  
}
```

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(118, 120, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 120, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 39.496, 106.265 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(118, 120, 49) }
```

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

```
.border{ border-color:rgb(118, 120, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 120, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 120, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 120, 49);  
box-shadow:4px 4px 4px 4px rgb(118, 120,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 39.496, 106.265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 120, 49) }
```

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

```
.background{ background-color: rgb(118,  
120, 49) }
```

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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