

Converting Colors

CIELCh(39, 49.194, 149.036)

Have a look what the booklet for
CIELCh(39, 49.194, 149.036)
contains.

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Color

CIELCh(39, 48.181, 147.947)

Conversions

Conversions Part 1

Format	Color
Hex	006B30
RGB	0, 107, 48
RGB Percent	0%, 42%, 19%
CMY	1.0000, 0.5816, 0.8128
CMYK	1.00, 0.00, 0.55, 0.58
HSL	147°, 100%, 21%
HSV	147°, 100%, 42%
XYZ	5.7457, 10.6589, 4.5214
YIQ	68.2810, -44.8330, -41.0330

Conversions

Conversions Part 2

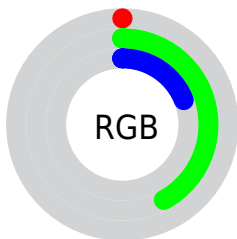
Format	Color
RYB	0, 74, 107
Decimal	27440
CIELab	39.00, -40.84, 25.57
CIELCh	39, 48.181, 147.947
Yxy	10.6589, 0.2746, 0.5094
Android (android.graphics.Color)	4278217520 (0xFF006B30)
YUV	68.2810, -9.9985, -59.8824
Hunter-Lab	32.6480, -25.7200, 14.6426

Details

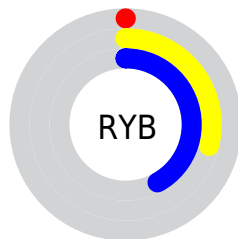
The CIELCh color **39, 48.181, 147.947** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **22, 45.555, 355.117**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 47.693, 148.180**, and **20, 40.385, 137.801** is the 20% darker color. If you saturate the color by 10%, you get **39, 48.135, 147.898**, and if you desaturate by 10%, it is **39, 44.831, 149.734**.

Distribution



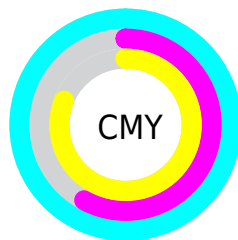
- Red (0%)
- Green (42%)
- Blue (19%)



- Red (0%)
- Yellow (29%)
- Blue (42%)



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (58%)




- Cyan (100%)
- Magenta (58%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 48.181, 147.947 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 39, 48.181, 147.947 by changing the saturation by 10% instead.


 39, 48.181,
147.947


 39, 48.181,
147.947

 100, 48.181,
147.947

 29, 48.181,
147.947

 59, 48.181,
147.947

 19, 48.181,
147.947

 69, 48.181,
147.947

 9, 48.181, 147.947

 79, 48.181,
147.947

 0, 48.181, 147.947

 89, 48.181,
147.947

 99, 48.181,
147.947

■ 39, 48.181,
147.947

■ 39, 48.181,
147.947

■ 39, 48.135,
147.898

■ 39, 44.831,
149.734

■ 39, 41.228,
151.618

■ 40, 37.131,
153.317

■ 40, 32.579,
154.831

■ 41, 27.637,
156.172

■ 41, 22.389,
157.359

■ 42, 16.922,
158.411

■ 43, 11.319,

159.351

■ 44, 5.656, 160.208

Harmonies

Complementary

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



39, 48.181, 147.947



22, 45.555, 355.117

Rectangle

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



39, 48.181, 147.947



39, 48.181, 197.947



39, 48.181, 327.947



39, 48.181, 17.947

Sweetspot

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



39, 48.135, 147.898



54, 20.853, 158.331



40, 55.820, 124.833



27, 14.093, 158.022



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



39, 48.135, 147.898



50, 58.600, 147.239



40, 27.884, 187.136



22, 3.187, 160.295



43, 51.773, 147.635



85, 91.811, 146.222

Inverse Universe

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



22, 45.555, 355.117



29, 54.469, 356.139



21, 51.016, 33.860



21, 3.217, 341.538



24, 48.647, 355.519



53, 83.012, 357.812

Previews

White Background



This preview shows how the CIELCh color 39, 48.181, 147.947 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 39, 48.181, 147.947 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 39, 48.181, 147.947

Background



This preview shows how black text looks on a background with the CIELCh color 39, 48.181, 147.947.



This preview shows how white text looks on a background with the CIELCh color 39, 48.181, 147.947.

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

39, 48.181, 147.947

Protanopia

39, 29.447, 95.902

Deuteranopia

39, 24.476, 78.093



Tritanopia
39, 19.147, 212.258

Trichromacy



Original Color

39, 48.181, 147.947



Protanomaly

38, 34.003, 130.641



Deuteranomaly

37, 28.518, 128.646



Tritanomaly

39, 26.898, 174.653

Monochromacy



Original Color

39, 48.181, 147.947



Achromatopsia

29, 0.005, 296.813



Achromatomaly

32, 21.022, 157.353

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 48.181, 147.947 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(0, 107, 48)` looks like.

```
.text, #text, p{  
    color:rgb(0, 107, 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(0, 107, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 48.181, 147.947 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(0, 107, 48) }
```

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

```
.border{ border-color:rgb(0, 107, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 107, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 48);  
box-shadow:4px 4px 4px 4px rgb(0, 107, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 48.181, 147.947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 107, 48) }
```

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

```
.background{ background-color: rgb(0, 107,  
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](#).

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