

Converting Colors

CIELCh(47, 68.756, 168.318)

Have a look what the booklet for
CIELCh(47, 68.756, 168.318)
contains.

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Color

CIELCh(49, 47.069, 157.845)

Conversions

Conversions Part 1

Format	Color
Hex	008655
RGB	0, 134, 85
RGB Percent	0%, 53%, 33%
CMY	1.0000, 0.4757, 0.6674
CMYK	1.00, 0.00, 0.37, 0.48
HSL	158°, 100%, 26%
HSV	158°, 100%, 52%
XYZ	10.0683, 17.5941, 11.4199
YIQ	88.3480, -64.1350, -43.6470

Conversions

Conversions Part 2

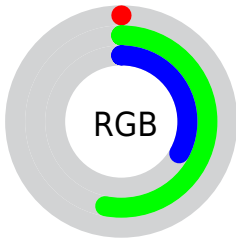
Format	Color
RYB	0, 82, 134
Decimal	34389
CIELab	49.00, -43.59, 17.75
CIELCh	49, 47.069, 157.845
Yxy	17.5941, 0.2576, 0.4502
Android (android.graphics.Color)	4278224469 (0xFF008655)
YUV	88.3480, -1.6506, -77.4812
Hunter-Lab	41.9453, -30.5582, 13.2196

Details

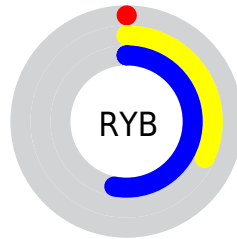
The CIELCh color **49, 47.069, 157.845** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **27, 52.691, 13.384**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **69, 46.913, 157.828**, and **30, 38.890, 149.759** is the 20% darker color. If you saturate the color by 10%, you get **49, 46.868, 157.685**, and if you desaturate by 10%, it is **49, 44.121, 159.696**.

Distribution



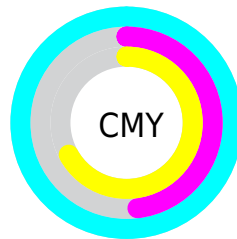
- Red (0%)
- Green (53%)
- Blue (33%)



- Red (0%)
- Yellow (32%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (48%)



- Cyan (100%)
- Magenta (48%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 47.069, 157.845 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, 47.069, 157.845 by changing the saturation by 10% instead.

 49, 47.069,
157.845

 49, 47.069,
157.845

 100, 47.069,
157.845

 39, 47.069,
157.845

 69, 47.069,
157.845


 29, 47.069,
157.845

 79, 47.069,
157.845

 19, 47.069,
157.845

 89, 47.069,
157.845

 9, 47.069, 157.845

 99, 47.069,
157.845

 0, 47.069, 157.845

 49, 47.069,

 49, 47.069,

157.845

■ 49, 46.868,
157.685

157.845

■ 49, 44.121,
159.696

■ 50, 40.994,
161.640

■ 50, 37.299,
163.388

■ 50, 33.049,
164.951

■ 51, 28.296,
166.349

■ 52, 23.120,
167.605

■ 53, 17.613,
168.742

■ 54, 11.866,
169.781

Harmonies

Complementary

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



49, 47.069, 157.845



27, 52.691, 13.384

Rectangle

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



49, 47.069, 157.845



49, 47.069, 207.845



49, 47.069, 337.845



49, 47.069, 27.845

Sweetspot

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



49, 46.868, 157.685



67, 21.762, 168.669



49, 69.950, 131.383



34, 14.709, 168.273



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



49, 46.868, 157.685



63, 57.246, 157.140



44, 27.144, 220.351



27, 3.344, 170.840



48, 45.888, 157.751



1, 0.805, 171.584

Inverse Universe

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



27, 52.691, 13.384



37, 63.970, 14.705



28, 61.624, 41.421



26, 3.413, 352.328



27, 51.629, 13.226



0, 0.805, 351.572

Previews

White Background



This preview shows how the CIELCh color 49, 47.069, 157.845 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 49, 47.069, 157.845 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, 47.069, 157.845

Background



This preview shows how black text looks on a background with the CIELCh color 49, 47.069, 157.845.



This preview shows how white text looks on a background with the CIELCh color 49, 47.069, 157.845.

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, 46.952, 157.678

Protanopia
49, 23.079, 95.745

Deuteranopia
49, 16.766, 66.768



Tritanopia
49, 24.259, 212.766

Trichromacy



Original Color
49, 46.952, 157.678

Protanomaly
47, 30.108, 142.084

Deuteranomaly
47, 22.609, 143.545

Tritanomaly
49, 29.924, 184.913

Monochromacy



Original Color
49, 46.952, 157.678

Achromatopsia
37, 0.005, 296.813

Achromatomaly
41, 21.911, 166.823

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 47.069, 157.845 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, 134, 85)` looks like.

```
.text, #text, p{  
    color:rgb(0, 134, 85)  
}
```

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, 134, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 134, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 47.069, 157.845 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, 134, 85) }
```

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

```
.border{ border-color:rgb(0, 134, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 134, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 134, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 134, 85);  
box-shadow:4px 4px 4px 4px rgb(0, 134, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 47.069, 157.845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 134, 85) }
```

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

```
.background{ background-color: rgb(0, 134,  
85) }
```

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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