

Converting Colors

CIELCh(49, 39.785, 166.224)

Have a look what the booklet for
CIELCh(49, 39.785, 166.224)
contains.

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Color

CIELCh(49, 39.683, 166.284)

Conversions

Conversions Part 1

Format	Color
Hex	0C8463
RGB	12, 132, 99
RGB Percent	5%, 52%, 39%
CMY	0.9526, 0.4808, 0.6103
CMYK	0.91, 0.00, 0.25, 0.48
HSL	164°, 83%, 28%
HSV	164°, 91%, 52%
XYZ	10.7259, 17.5941, 14.7255
YIQ	92.3580, -60.9270, -35.7030

Conversions

Conversions Part 2

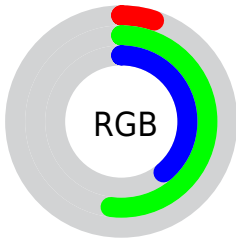
Format	Color
R_{YB}	12, 82, 132
Decimal	820323
CIE _{Lab}	49.00, -38.55, 9.41
CIE _{LCh}	49, 39.683, 166.284
Y _{xy}	17.5941, 0.2492, 0.4087
Android (android.graphics.Color)	4279010403 (0xFF0C8463)
YUV	92.3580, 3.2745, -70.4740
Hunter-Lab	41.9453, -27.7598, 8.5470

Details

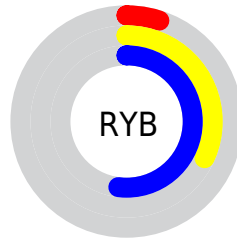
The CIELCh color **49, 39.683, 166.284** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **28, 50.903, 17.334**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 39.524, 166.306**, and **30, 31.831, 159.677** is the 20% darker color. If you saturate the color by 10%, you get **49, 41.641, 164.578**, and if you desaturate by 10%, it is **49, 37.207, 168.098**.

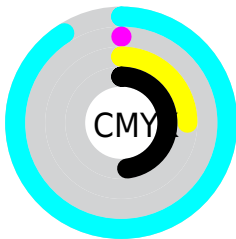
Distribution



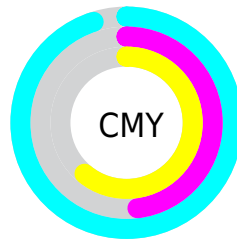
- Red (5%)
- Green (52%)
- Blue (39%)



- Red (5%)
- Yellow (32%)
- Blue (52%)



- Cyan (91%)
- Magenta (0%)
- Yellow (25%)
- Black (48%)



- Cyan (95%)
- Magenta (48%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 39.683, 166.284 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, 39.683, 166.284 by changing the saturation by 10% instead.

 49, 39.683,
166.284

 49, 39.683,
166.284

 100, 39.683,
166.284

 39, 39.683,
166.284

 69, 39.683,
166.284

 29, 39.683,
166.284

 79, 39.683,
166.284

 19, 39.683,
166.284

 89, 39.683,
166.284

 9, 39.683, 166.284

 99, 39.683,
166.284

 0, 39.683, 166.284

 49, 39.683,

 49, 39.683,

166.284

166.284

■ 49, 41.641,
164.578

■ 49, 37.207,
168.098

■ 50, 34.160,
169.732

■ 50, 30.545,
171.202

■ 51, 26.402,
172.528

■ 51, 21.800,
173.734

■ 52, 16.821,
174.839

■ 53, 11.554,
175.866

■ 54, 6.085, 176.841

Harmonies

Complementary

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



49, 39.683, 166.284



28, 50.903, 17.334

Rectangle

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



49, 39.683, 166.284



49, 39.683, 216.284



49, 39.683, 346.284



49, 39.683, 36.284

Sweetspot

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



49, 39.683, 166.283



66, 18.225, 175.183



49, 67.794, 132.828



35, 12.315, 174.883



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, 39.683, 166.283



62, 50.562, 164.075



41, 26.326, 234.706



27, 3.165, 177.011



48, 41.084, 164.618



1, 0.765, 177.759

Inverse Universe

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



28, 50.903, 17.334



36, 65.657, 23.011



30, 54.186, 43.781



26, 3.254, 358.517



26, 53.325, 21.521



0, 0.765, 357.746

Previews

White Background



This preview shows how the CIELCh color 49, 39.683, 166.284 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, 39.683, 166.284 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, 39.683, 166.284

Background



This preview shows how black text looks on a background with the CIELCh color 49, 39.683, 166.284.

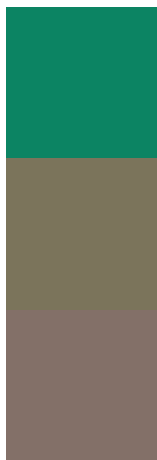


This preview shows how white text looks on a background with the CIELCh color 49, 39.683, 166.284.

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, 39.623, 166.243

Protanopia

49, 14.904, 96.315

Deuteranopia

49, 9.409, 49.860



Tritanopia
49, 24.757, 212.400

Trichromacy



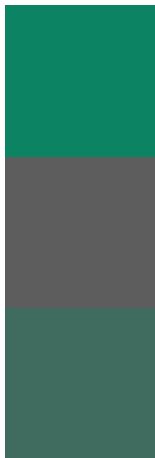
Original Color
49, 39.623, 166.243

Protanomaly
48, 22.862, 151.115

Deuteranomaly
47, 16.047, 158.973

Tritanomaly
49, 28.538, 190.534

Monochromacy



Original Color
49, 39.623, 166.243

Achromatopsia
39, 0.006, 296.813

Achromatomaly
42, 18.125, 173.584

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 39.683, 166.284 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(12, 132, 99)` looks like.

```
.text, #text, p{  
    color:rgb(12, 132, 99)  
}
```

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(12, 132, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 132, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 39.683, 166.284 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(12, 132, 99) }
```

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

```
.border{ border-color:rgb(12, 132, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 132, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 132, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 132, 99);  
box-shadow:4px 4px 4px 4px rgb(12, 132,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 39.683, 166.284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 132, 99) }
```

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

```
.background{ background-color: rgb(12, 132,  
99) }
```

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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