

# Converting Colors

CIELCh(39, 24.721, 196.477)

Have a look what the booklet for  
CIELCh(39, 24.721, 196.477)  
contains.

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# Color

**CIELCh(39, 24.840, 196.488)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0B6767
RGB	11, 103, 103
RGB Percent	4%, 40%, 40%
CMY	0.9568, 0.5977, 0.5977
CMYK	0.89, 0.00, 0.00, 0.60
HSL	180°, 81%, 22%
HSV	180°, 89%, 40%
XYZ	7.3739, 10.6589, 14.3915
YIQ	75.4920, -54.8320, -19.5040

# Conversions

## Conversions Part 2

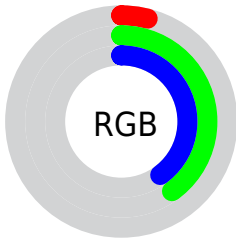
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	<b>11, 57, 103</b>
Decimal	747367
CIE Lab	39.00, -23.82, -7.05
CIE LCh	39, 24.840, 196.488
Yxy	10.6589, 0.2274, 0.3287
Android (android.graphics.Color)	4278937447 (0xFF0B6767)
YUV	75.4920, 13.5614, -56.5595
Hunter-Lab	32.6480, -16.8179, -3.2818

# Details

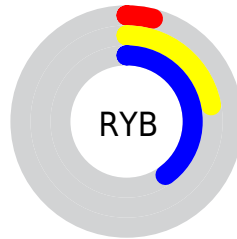
The CIELCh color **39, 24.840, 196.488** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **21, 46.813, 34.558**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 25.116, 195.871**, and **20, 16.706, 198.802** is the 20% darker color. If you saturate the color by 10%, you get **39, 25.616, 196.401**, and if you desaturate by 10%, it is **39, 23.793, 196.604**.

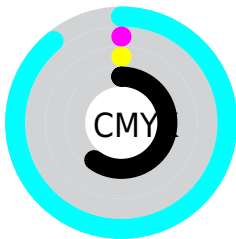
# Distribution



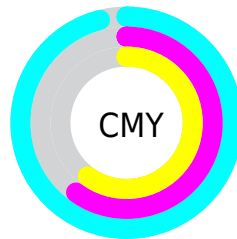
- Red (4%)
- Green (40%)
- Blue (40%)



- Red (4%)
- Yellow (22%)
- Blue (40%)



- Cyan (89%)
- Magenta (0%)
- Yellow (0%)
- Black (60%)



- Cyan (96%)
- Magenta (60%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 24.840, 196.488 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, 24.840, 196.488 by changing the saturation by 10% instead.



 39, 24.840,  
196.488

 39, 24.840,  
196.488

 100, 24.840,  
196.488

 29, 24.840,  
196.488

 59, 24.840,  
196.488

 19, 24.840,  
196.488

 69, 24.840,  
196.488

 9, 24.840, 196.488

 79, 24.840,  
196.488

 0, 24.840, 196.488

 89, 24.840,  
196.488

 99, 24.840,  
196.488

■ 39, 24.840,  
196.488

■ 39, 24.840,  
196.488

■ 39, 25.616,  
196.401

■ 39, 23.793,  
196.604

■ 39, 25.674,  
196.394

■ 39, 22.259,  
196.777

■ 40, 20.231,  
197.009

■ 40, 17.725,  
197.299

■ 41, 14.779,  
197.645

■ 41, 11.444,  
198.046

■ 42, 7.776, 198.500

■ 43, 3.837, 199.025



# Harmonies

# Complementary

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



39, 24.840, 196.488



21, 46.813, 34.558

# Rectangle

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



39, 24.840, 196.488



39, 24.840, 246.488



39, 24.840, 16.488



39, 24.840, 66.488

# Sweetspot

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



39, 24.840, 196.487



53, 13.108, 198.111



37, 58.155, 136.805



26, 8.693, 198.013



78, 0.009, 296.813



28, 0.004, 296.813





# Same Dimension

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



39, 24.840, 196.487



50, 30.837, 196.395



24, 31.307, 277.202



21, 2.318, 199.045



43, 27.795, 196.394



87, 48.202, 196.395



# Inverse Universe

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



24, 56.531, 328.079



31, 71.113, 328.235



29, 38.467, 64.194



20, 4.229, 324.877



26, 64.098, 328.235



57, 111.159, 328.235



# Previews

## White Background



This preview shows how the CIELCh color 39, 24.840, 196.488 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 39, 24.840, 196.488 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

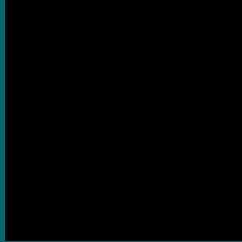
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 39, 24.840, 196.488

## Background



This preview shows how black text looks on a background with the CIELCh color 39, 24.840, 196.488.

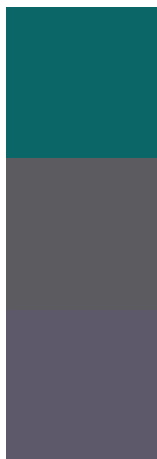


This preview shows how white text looks on a background with the CIELCh color 39, 24.840, 196.488.

# 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, 24.921, 196.479


### Protanopia

39, 3.101, 298.325

### Deuteranopia

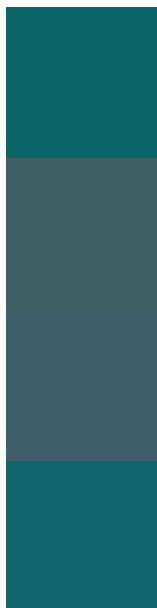
39, 10.660, 302.520





**Tritanopia**  
39, 22.772, 211.071

# Trichromacy



**Original Color**  
39, 24.921, 196.479

**Protanomaly**  
38, 12.081, 206.794

**Deuteranomaly**  
38, 12.588, 231.017

**Tritanomaly**  
39, 23.580, 204.250

# Monochromacy



**Original Color**  
39, 24.921, 196.479

**Achromatopsia**  
32, 0.005, 296.813

**Achromatomaly**  
34, 12.586, 197.692

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 39, 24.840, 196.488 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(11, 103, 103)` looks like.

```
.text, #text, p{  
    color:rgb(11, 103, 103)  
}
```

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(11, 103, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 103, 103) }
```

## Border

The CSS property to change the border of an element to CIELCh 39, 24.840, 196.488 is called "border". The border property can be set on classes, ids or directly on the HTML element.

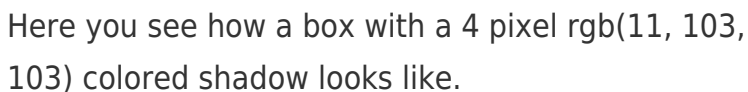
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(11, 103, 103) }
```

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

```
.border{ border-color:rgb(11, 103, 103) }
```

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



Here you see how a box with a 4 pixel `rgb(11, 103, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 103, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 103, 103);  
box-shadow:4px 4px 4px 4px rgb(11, 103,  
103) }
```

# Background

The CSS property to change the background color of an element to CIELCh 39, 24.840, 196.488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 103, 103) }
```

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

```
.background{ background-color: rgb(11, 103,  
103) }
```

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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