

Converting Colors

CIELCh(38, 28.717, 213.679)

Have a look what the booklet for
CIELCh(38, 28.717, 213.679)
contains.

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Color

CIELCh(39, 24.480, 216.069)

Conversions

Conversions Part 1

Format	Color
Hex	016673
RGB	1, 102, 115
RGB Percent	0%, 40%, 45%
CMY	0.9941, 0.6016, 0.5506
CMYK	0.99, 0.11, 0.00, 0.55
HSL	187°, 97%, 23%
HSV	187°, 99%, 45%
XYZ	7.8000, 10.6589, 17.7427
YIQ	73.2830, -64.3690, -17.3690

Conversions

Conversions Part 2

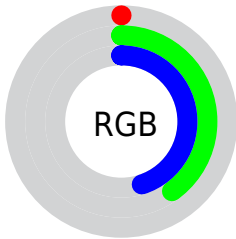
Format	Color
RYB	1, 55, 115
Decimal	91763
CIELab	39.00, -19.79, -14.41
CIELCh	39, 24.480, 216.069
Yxy	10.6589, 0.2155, 0.2944
Android (android.graphics.Color)	4278281843 (0xFF016673)
YUV	73.2830, 20.5665, -63.3922
Hunter-Lab	32.6480, -14.4881, -9.3678

Details

The CIELCh color **39, 24.480, 216.069** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **23, 53.681, 39.882**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 24.494, 216.564**, and **21, 16.671, 226.685** is the 20% darker color. If you saturate the color by 10%, you get **39, 24.555, 216.273**, and if you desaturate by 10%, it is **40, 23.908, 214.469**.

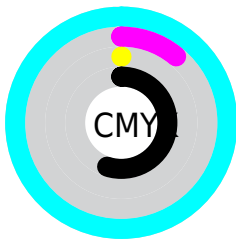
Distribution



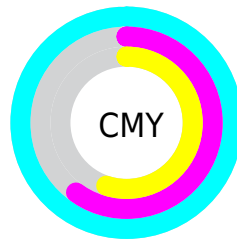
- Red (0%)
- Green (40%)
- Blue (45%)



- Red (0%)
- Yellow (22%)
- Blue (45%)



- Cyan (99%)
- Magenta (11%)
- Yellow (0%)
- Black (55%)




- Cyan (99%)
- Magenta (60%)
- Yellow (55%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 24.480, 216.069 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, 24.480, 216.069 by changing the saturation by 10% instead.

 39, 24.480,
216.069


 39, 24.480,
216.069

 100, 24.480,
216.069

 29, 24.480,
216.069

 59, 24.480,
216.069


 19, 24.480,
216.069


 69, 24.480,
216.069

 9, 24.480, 216.069

 79, 24.480,
216.069

 0, 24.480, 216.069

 89, 24.480,
216.069

 99, 24.480,
216.069

■ 39, 24.480,
216.069

■ 39, 24.480,
216.069

■ 39, 24.555,
216.273

■ 40, 23.908,
214.469

■ 40, 22.996,
213.094

■ 41, 21.571,
212.033

■ 42, 19.629,
211.243

■ 43, 17.195,
210.686

■ 44, 14.311,
210.324

■ 45, 11.036,
210.124

■ 46, 7.428, 210.064

Harmonies

Complementary

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



39, 24.480, 216.069



23, 53.681, 39.882

Rectangle

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



39, 24.480, 216.069



39, 24.480, 266.069



39, 24.480, 36.069



39, 24.480, 86.069

Sweetspot

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



39, 24.479, 216.068



57, 14.115, 210.153



42, 63.792, 137.501



28, 9.451, 210.211



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



39, 24.479, 216.068



50, 29.470, 216.843



21, 45.620, 290.174



23, 2.255, 210.140



41, 25.346, 216.381



80, 43.122, 217.686

Inverse Universe

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



26, 58.472, 333.107



34, 70.464, 333.312



34, 45.243, 71.125



22, 4.235, 328.200



27, 60.623, 333.198



57, 103.026, 333.520

Previews

White Background



This preview shows how the CIELCh color 39, 24.480, 216.069 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, 24.480, 216.069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

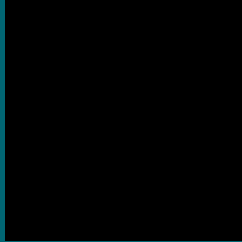
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 24.480, 216.069

Background



This preview shows how black text looks on a background with the CIELCh color 39, 24.480, 216.069.



This preview shows how white text looks on a background with the CIELCh color 39, 24.480, 216.069.

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, 24.581, 215.956

Protanopia

39, 9.820, 287.131

Deuteranopia

39, 16.564, 288.867

Trichromacy



Original Color
39, 24.581, 215.956

Protanomaly
38, 15.618, 234.602

Deuteranomaly
38, 17.974, 247.668

Monochromacy



Original Color
39, 24.581, 215.956

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 13.396, 211.424

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 24.480, 216.069 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(1, 102, 115)` looks like.

```
.text, #text, p{  
    color:rgb(1, 102, 115)  
}
```

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(1, 102, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 102, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 24.480, 216.069 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(1, 102, 115) }
```

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

```
.border{ border-color:rgb(1, 102, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 102, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 102, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 102, 115);  
box-shadow:4px 4px 4px 4px rgb(1, 102,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 24.480, 216.069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 102, 115) }
```

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

```
.background{ background-color: rgb(1, 102,  
115) }
```

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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