

Converting Colors

CIELCh(39, 29.655, 208.497)

Have a look what the booklet for
CIELCh(39, 29.655, 208.497)
contains.

CIELCh(40, 24.972, 211.035)	3
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Color

CIELCh(40, 24.972, 211.035)

Conversions

Conversions Part 1

Format	Color
Hex	016973
RGB	1, 105, 115
RGB Percent	0%, 41%, 45%
CMY	0.9943, 0.5900, 0.5507
CMYK	0.99, 0.09, 0.00, 0.55
HSL	185°, 97%, 23%
HSV	185°, 99%, 45%
XYZ	8.0945, 11.2510, 17.8335
YIQ	75.0440, -65.1940, -18.9380

Conversions

Conversions Part 2

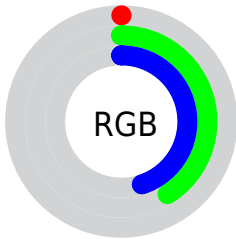
Format	Color
R_{YB}	1, 55, 115
Decimal	92531
CIE _{Lab}	40.00, -21.40, -12.87
CIE _{LCh}	40, 24.972, 211.035
Yxy	11.2510, 0.2177, 0.3026
Android (android.graphics.Color)	4278282611 (0xFF016973)
YUV	75.0440, 19.6983, -64.9366
Hunter-Lab	33.5425, -15.6236, -8.0429

Details

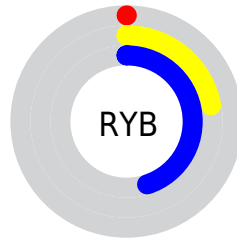
The CIELCh color **40, 24.972, 211.035** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **23, 54.083, 39.174**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 25.229, 210.402**, and **21, 16.769, 220.976** is the 20% darker color. If you saturate the color by 10%, you get **40, 25.044, 211.178**, and if you desaturate by 10%, it is **40, 24.402, 209.883**.

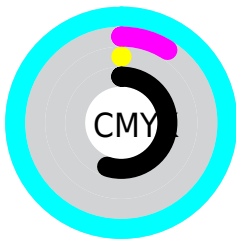
Distribution



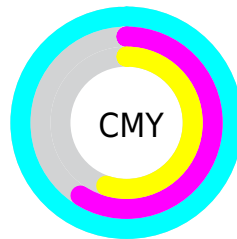
- Red (0%)
- Green (41%)
- Blue (45%)



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



- Cyan (99%)
- Magenta (9%)
- Yellow (0%)
- Black (55%)





- Cyan (99%)
- Magenta (59%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 24.972, 211.035 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 40, 24.972, 211.035 by changing the saturation by 10% instead.


 40, 24.972,
211.035


 40, 24.972,
211.035


 100, 24.972,
211.035

 30, 24.972,
211.035

 60, 24.972,
211.035


 20, 24.972,
211.035

 70, 24.972,
211.035

 10, 24.972,
211.035

 80, 24.972,
211.035

 0, 24.972, 211.035

 90, 24.972,
211.035

 40, 24.972,

 40, 24.972,

211.035

211.035

■ 40, 25.044,
211.178

■ 40, 24.402,
209.883

■ 41, 23.482,
208.905

■ 42, 22.036,
208.169

■ 42, 20.060,
207.648

■ 43, 17.579,
207.313

■ 44, 14.638,
207.136

■ 45, 11.293,
207.094

■ 46, 7.607, 207.168

Harmonies

Complementary

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



40, 24.972, 211.035



23, 54.083, 39.174

Rectangle

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



40, 24.972, 211.035



40, 24.972, 261.035



40, 24.972, 31.035



40, 24.972, 81.035

Sweetspot

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



40, 24.971, 211.034



57, 14.432, 207.093



42, 64.170, 137.252



29, 9.663, 207.101



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



40, 24.971, 211.034



51, 30.058, 211.595



22, 44.287, 288.921



23, 2.306, 207.360



42, 25.854, 211.258



82, 43.967, 212.211

Inverse Universe

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



26, 59.640, 331.872



34, 71.918, 332.025



33, 45.322, 69.630



22, 4.314, 327.386



27, 61.850, 331.942



57, 105.228, 332.175

Previews

White Background



This preview shows how the CIE LCh color 40, 24.972, 211.035 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 40, 24.972, 211.035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

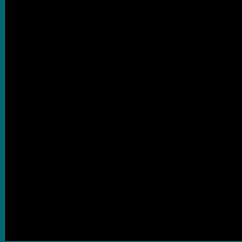
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 24.972, 211.035

Background



This preview shows how black text looks on a background with the CIELCh color 40, 24.972, 211.035.

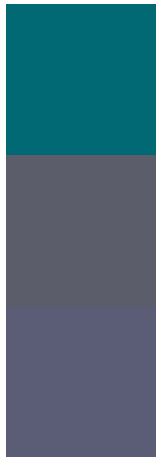


This preview shows how white text looks on a background with the CIELCh color 40, 24.972, 211.035.

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
40, 25.077, 210.954

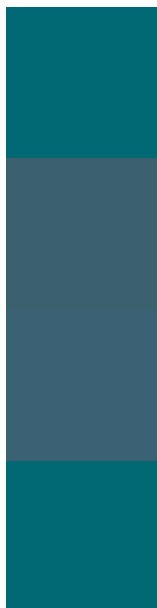
Protanopia
40, 8.549, 288.841

Deuteranopia
40, 15.267, 291.075



Tritanopia
40, 25.218, 207.930

Trichromacy



Original Color
40, 25.077, 210.954

Protanomaly
39, 15.103, 230.140

Deuteranomaly
39, 17.054, 241.618

Tritanomaly
40, 25.106, 209.458

Monochromacy



Original Color
40, 25.077, 210.954

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 13.957, 205.403

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 24.972, 211.035 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, 105, 115)` looks like.

```
.text, #text, p{  
    color:rgb(1, 105, 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, 105, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 105, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 24.972, 211.035 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, 105, 115) }
```

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

```
.border{ border-color:rgb(1, 105, 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, 105, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 105, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 105, 115);  
box-shadow:4px 4px 4px 4px rgb(1, 105,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 24.972, 211.035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 105, 115) }
```

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

```
.background{ background-color: rgb(1, 105,  
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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