

Converting Colors

CIELCh(40, 26.018, 196.400)

Have a look what the booklet for
CIELCh(40, 26.018, 196.400)
contains.

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Color

CIELCh(40, 26.302, 195.029)

Conversions

Conversions Part 1

Format	Color
Hex	016A69
RGB	1, 106, 105
RGB Percent	0%, 42%, 41%
CMY	0.9957, 0.5858, 0.5897
CMYK	0.99, 0.00, 0.01, 0.59
HSL	179°, 98%, 21%
HSV	179°, 99%, 41%
XYZ	7.6604, 11.2510, 15.0342
YIQ	74.4910, -62.2590, -22.5710

Conversions

Conversions Part 2

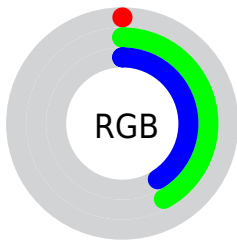
Format	Color
RYB	1, 54, 106
Decimal	92777
CIELab	40.00, -25.40, -6.82
CIELCh	40, 26.302, 195.029
Yxy	11.2510, 0.2257, 0.3314
Android (android.graphics.Color)	4278282857 (0xFF016A69)
YUV	74.4910, 15.0409, -64.4516
Hunter-Lab	33.5425, -17.9337, -3.0948

Details

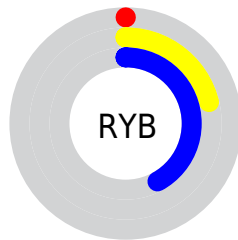
The CIELCh color **40, 26.302, 195.029** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **20, 51.449, 35.901**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 26.428, 194.615**, and **21, 17.463, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **40, 26.384, 195.009**, and if you desaturate by 10%, it is **40, 25.509, 195.214**.

Distribution



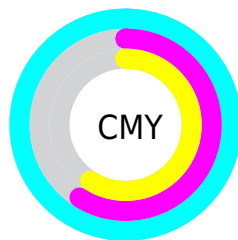
- Red (0%)
- Green (42%)
- Blue (41%)



- Red (0%)
- Yellow (21%)
- Blue (42%)



- Cyan (99%)
- Magenta (0%)
- Yellow (1%)
- Black (59%)





- Cyan (100%)
- Magenta (59%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 26.302, 195.029 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, 26.302, 195.029 by changing the saturation by 10% instead.


 40, 26.302,
195.029


 40, 26.302,
195.029


 100, 26.302,
195.029


 30, 26.302,
195.029

 60, 26.302,
195.029


 20, 26.302,
195.029

 70, 26.302,
195.029

 10, 26.302,
195.029

 80, 26.302,
195.029

 0, 26.302, 195.029

 90, 26.302,
195.029

 40, 26.302,

 40, 26.302,

195.029

195.029

■ 40, 26.384,
195.009

■ 40, 25.509,
195.214

■ 40, 24.413,
195.427

■ 41, 22.816,
195.682

■ 41, 20.712,
195.983

■ 41, 18.118,
196.332

■ 42, 15.075,
196.729

■ 42, 11.636,
197.173

■ 43, 7.861, 197.663

Harmonies

Complementary

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



40, 26.302, 195.029



20, 51.449, 35.901

Rectangle

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



40, 26.302, 195.029



40, 26.302, 245.029



40, 26.302, 15.029



40, 26.302, 65.029

Sweetspot

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



40, 26.302, 195.028



54, 14.885, 197.086



38, 62.212, 135.963



27, 9.968, 196.949



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



40, 26.302, 195.028



52, 31.910, 194.971



23, 34.404, 279.373



22, 2.417, 198.220



44, 28.426, 194.993



88, 48.934, 194.911

Inverse Universe

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



20, 51.449, 35.901



28, 64.813, 38.554



28, 43.535, 61.177



21, 2.546, 19.079



23, 56.700, 37.206



51, 101.003, 39.722

Previews

White Background



This preview shows how the CIELCh color 40, 26.302, 195.029 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, 26.302, 195.029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

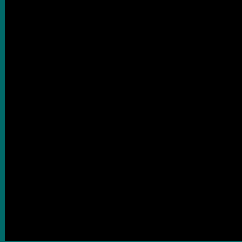
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 26.302, 195.029

Background



This preview shows how black text looks on a background with the CIELCh color 40, 26.302, 195.029.



This preview shows how white text looks on a background with the CIELCh color 40, 26.302, 195.029.

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, 26.375, 195.024

Protanopia

40, 1.884, 303.184

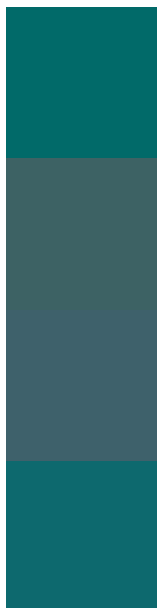
Deuteranopia

40, 10.004, 303.105



Tritanopia
40, 23.460, 210.546

Trichromacy



Original Color
40, 26.375, 195.024

Protanomaly
39, 13.662, 202.940

Deuteranomaly
39, 13.696, 224.830

Tritanomaly
40, 24.516, 203.873

Monochromacy



Original Color
40, 26.375, 195.024

Achromatopsia
31, 0.005, 296.813

Achromatomaly
34, 14.556, 194.935

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 26.302, 195.029 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, 106, 105)` looks like.

```
.text, #text, p{  
    color:rgb(1, 106, 105)  
}
```

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, 106, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 106, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 26.302, 195.029 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, 106, 105) }
```

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

```
.border{ border-color:rgb(1, 106, 105) }
```

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

Here you see how a box with a 4 pixel rgb(1, 106, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 106, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 106, 105);  
box-shadow:4px 4px 4px 4px rgb(1, 106,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 26.302, 195.029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 106, 105) }
```

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

```
.background{ background-color: rgb(1, 106,  
105) }
```

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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