

Converting Colors

CIELCh(39, 39.216, 187.428)

Have a look what the booklet for
CIELCh(39, 39.216, 187.428)
contains.

CIELCh(40, 28.161, 186.079)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(40, 28.161, 186.079)

Conversions

Conversions Part 1

Format	Color
Hex	006A62
RGB	0, 106, 98
RGB Percent	0%, 42%, 38%
CMY	1.0000, 0.5831, 0.6144
CMYK	1.00, 0.00, 0.08, 0.58
HSL	175°, 100%, 21%
HSV	175°, 100%, 42%
XYZ	7.3870, 11.2510, 13.4210
YIQ	73.3940, -60.6080, -24.9600

Conversions

Conversions Part 2

Format	Color
RYB	0, 55, 106
Decimal	27234
CIELab	40.00, -28.00, -2.98
CIELCh	40, 28.161, 186.079
Yxy	11.2510, 0.2304, 0.3509
Android (android.graphics.Color)	4278217314 (0xFF006A62)
YUV	73.3940, 12.1308, -64.3665
Hunter-Lab	33.5425, -19.3885, -0.2433

Details

The CIELCh color **40, 28.161, 186.079** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **20, 50.683, 33.471**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 27.851, 186.328**, and **21, 18.962, 183.613** is the 20% darker color. If you saturate the color by 10%, you get **40, 28.040, 186.049**, and if you desaturate by 10%, it is **40, 27.042, 186.846**.

Distribution



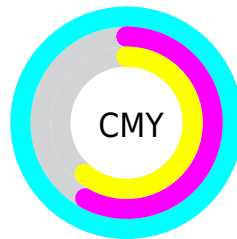
- Red (0%)
- Green (42%)
- Blue (38%)



- Red (0%)
- Yellow (22%)
- Blue (42%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (58%)





- Cyan (100%)
- Magenta (58%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 28.161, 186.079 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, 28.161, 186.079 by changing the saturation by 10% instead.


 40, 28.161,
186.079


 40, 28.161,
186.079


 100, 28.161,
186.079


 30, 28.161,
186.079

 60, 28.161,
186.079


 20, 28.161,
186.079

 70, 28.161,
186.079

 10, 28.161,
186.079

 80, 28.161,
186.079

 0, 28.161, 186.079

 90, 28.161,
186.079

 40, 28.161,

 40, 28.161,

186.079

186.079

■ 40, 28.040,
186.049

■ 40, 27.042,
186.846

■ 40, 25.787,
187.638

■ 41, 24.032,
188.385

■ 41, 21.773,
189.102

■ 41, 19.034,
189.800

■ 42, 15.858,
190.488

■ 43, 12.303,
191.174

■ 43, 8.432, 191.866

Harmonies

Complementary

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



40, 28.161, 186.079



20, 50.683, 33.471

Rectangle

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



40, 28.161, 186.079



40, 28.161, 236.079



40, 28.161, 6.079



40, 28.161, 56.079

Sweetspot

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



40, 28.040, 186.049



54, 15.175, 191.118



39, 62.366, 135.354



27, 10.176, 190.910



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, 28.040, 186.049



51, 33.820, 185.785



25, 30.712, 271.797



22, 2.442, 192.663



44, 30.094, 185.942



87, 52.016, 185.369

Inverse Universe

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



20, 50.683, 33.471



28, 62.732, 35.876



26, 45.147, 55.675



21, 2.556, 13.770



23, 55.025, 34.558



51, 98.341, 37.698

Previews

White Background



This preview shows how the CIELCh color 40, 28.161, 186.079 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, 28.161, 186.079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

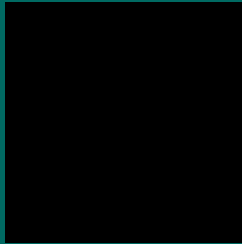
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 28.161, 186.079

Background



This preview shows how black text looks on a background with the CIELCh color 40, 28.161, 186.079.



This preview shows how white text looks on a background with the CIELCh color 40, 28.161, 186.079.

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, 27.992, 185.998

Protanopia

40, 2.215, 74.625

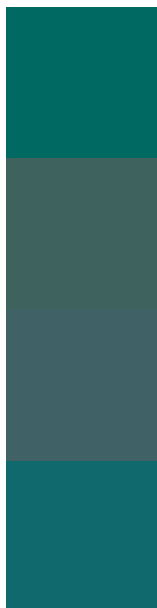
Deuteranopia

40, 6.962, 319.198



Tritanopia
40, 22.874, 210.963

Trichromacy



Original Color
40, 27.992, 185.998

Protanomaly
39, 14.019, 187.507

Deuteranomaly
39, 12.412, 209.427

Tritanomaly
40, 24.451, 200.954

Monochromacy



Original Color
40, 27.992, 185.998

Achromatopsia
31, 0.005, 296.813

Achromatomaly
34, 14.865, 190.030

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 28.161, 186.079 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(0, 106, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 98)  
}
```

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(0, 106, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 28.161, 186.079 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(0, 106, 98) }
```

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

```
.border{ border-color:rgb(0, 106, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 106, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 106, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 106, 98)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 28.161, 186.079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 106, 98) }
```

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

```
.background{ background-color: rgb(0, 106,  
98) }
```

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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