

Converting Colors

CIELCh(37, 56.529, 188.001)

Have a look what the booklet for
CIELCh(37, 56.529, 188.001)
contains.

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Color

CIELCh(40, 28.425, 184.882)

Conversions

Conversions Part 1

Format	Color
Hex	006A61
RGB	0, 106, 97
RGB Percent	0%, 42%, 38%
CMY	1.0000, 0.5828, 0.6180
CMYK	1.00, 0.00, 0.08, 0.58
HSL	175°, 100%, 21%
HSV	175°, 100%, 42%
XYZ	7.3539, 11.2510, 13.1945
YIQ	73.2800, -60.2870, -25.2710

Conversions

Conversions Part 2

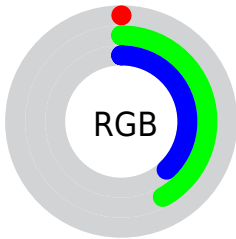
Format	Color
RYB	0, 55, 106
Decimal	27233
CIELab	40.00, -28.32, -2.42
CIELCh	40, 28.425, 184.882
Yxy	11.2510, 0.2313, 0.3538
Android (android.graphics.Color)	4278217313 (0xFF006A61)
YUV	73.2800, 11.6940, -64.2666
Hunter-Lab	33.5425, -19.5647, 0.1571

Details

The CIELCh color **40, 28.425, 184.882** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **20, 50.516, 33.090**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 28.287, 185.279**, and **21, 19.281, 181.691** is the 20% darker color. If you saturate the color by 10%, you get **40, 28.318, 184.851**, and if you desaturate by 10%, it is **40, 27.283, 185.722**.

Distribution



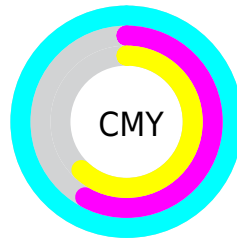
- Red (0%)
- Green (42%)
- Blue (38%)



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



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



- Cyan (100%)
- Magenta (58%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 28.425, 184.882 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, 28.425, 184.882 by changing the saturation by 10% instead.

 40, 28.425,
184.882


 40, 28.425,
184.882


 100, 28.425,
184.882


 30, 28.425,
184.882

 60, 28.425,
184.882


 20, 28.425,
184.882

 70, 28.425,
184.882

 10, 28.425,
184.882

 80, 28.425,
184.882

 0, 28.425, 184.882

 90, 28.425,
184.882

 40, 28.425,

 40, 28.425,

184.882

184.882

■ 40, 28.318,
184.851

■ 40, 27.283,
185.722

■ 40, 25.993,
186.585

■ 41, 24.202,
187.394

■ 41, 21.909,
188.163

■ 41, 19.138,
188.904

■ 42, 15.933,
189.628

■ 43, 12.353,
190.345

■ 43, 8.462, 191.061

Harmonies

Complementary

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



40, 28.425, 184.882



20, 50.516, 33.090

Rectangle

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



40, 28.425, 184.882



40, 28.425, 234.882



40, 28.425, 4.882



40, 28.425, 54.882

Sweetspot

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



40, 28.318, 184.851



54, 15.228, 190.286



39, 62.288, 135.221



27, 10.214, 190.069



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, 28.318, 184.851



51, 34.148, 184.561



26, 29.774, 269.525



22, 2.447, 191.880



44, 30.380, 184.734



87, 52.547, 184.101

Inverse Universe

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



20, 50.516, 33.090



28, 62.431, 35.456



26, 45.454, 54.416



21, 2.559, 13.016



23, 54.796, 34.166



51, 97.872, 37.317

Previews

White Background



This preview shows how the CIELCh color 40, 28.425, 184.882 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, 28.425, 184.882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

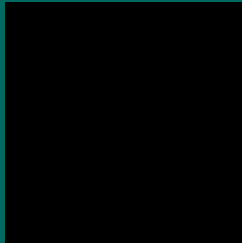
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 28.425, 184.882

Background



This preview shows how black text looks on a background with the CIELCh color 40, 28.425, 184.882.



This preview shows how white text looks on a background with the CIELCh color 40, 28.425, 184.882.

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, 28.257, 184.794

Protanopia
40, 2.736, 81.826

Deuteranopia
40, 7.180, 322.143



Tritanopia
40, 22.745, 211.058

Trichromacy



Original Color
40, 28.257, 184.794

Protanomaly
39, 14.746, 183.057

Deuteranomaly
39, 12.390, 206.524

Tritanomaly
40, 24.474, 199.483

Monochromacy



Original Color
40, 28.257, 184.794

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, 28.425, 184.882 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, 97)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 97)  
}
```

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, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 28.425, 184.882 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, 97) }
```

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

```
.border{ border-color:rgb(0, 106, 97) }
```

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, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 106, 97);  
box-shadow:4px 4px 4px 4px rgb(0, 106, 97)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 28.425, 184.882 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, 97) }
```

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

```
.background{ background-color: rgb(0, 106,  
97) }
```

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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