

Converting Colors

CIELCh(41, 28.760, 185.056)

Have a look what the booklet for
CIELCh(41, 28.760, 185.056)
contains.

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Color

CIELCh(41, 28.760, 185.056)

Conversions

Conversions Part 1

Format	Color
Hex	006D64
RGB	0, 109, 100
RGB Percent	0%, 43%, 39%
CMY	0.9997, 0.5724, 0.6077
CMYK	1.00, 0.00, 0.08, 0.57
HSL	175°, 100%, 21%
HSV	175°, 100%, 43%
XYZ	7.7742, 11.8645, 13.9440
YIQ	75.3830, -62.0750, -25.9070

Conversions

Conversions Part 2

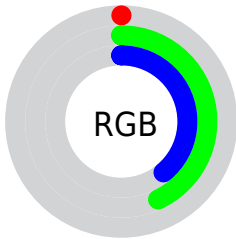
Format	Color
RYB	0, 57, 109
Decimal	28004
CIELab	41.00, -28.65, -2.53
CIELCh	41, 28.760, 185.056
Yxy	11.8645, 0.2315, 0.3533
Android (android.graphics.Color)	4278218084 (0xFF006D64)
YUV	75.3830, 12.1362, -66.1109
Hunter-Lab	34.4449, -19.9912, 0.1097

Details

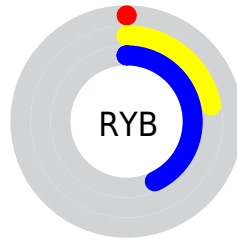
The CIELCh color **41, 28.760, 185.056** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **21, 51.574, 33.444**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 28.536, 185.435**, and **22, 19.827, 182.223** is the 20% darker color. If you saturate the color by 10%, you get **41, 28.768, 185.049**, and if you desaturate by 10%, it is **41, 27.734, 185.920**.

Distribution



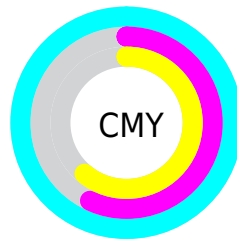
- Red (0%)
- Green (43%)
- Blue (39%)



- Red (0%)
- Yellow (22%)
- Blue (43%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (57%)




- Cyan (100%)
- Magenta (57%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 28.760, 185.056 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 41, 28.760, 185.056 by changing the saturation by 10% instead.


 41, 28.760,
185.056


 41, 28.760,
185.056


 100, 28.760,
185.056


 31, 28.760,
185.056

 61, 28.760,
185.056


 21, 28.760,
185.056

 71, 28.760,
185.056

 11, 28.760,
185.056


 81, 28.760,
185.056

 1, 28.760, 185.056

 91, 28.760,
185.056

 0, 28.760, 185.056

 41, 28.760,

 41, 28.760,

185.056

185.056

■ 41, 28.768,
185.049

■ 41, 27.734,
185.920

■ 41, 26.432,
186.773

■ 42, 24.619,
187.573

■ 42, 22.291,
188.335

■ 42, 19.474,
189.070

■ 43, 16.211,
189.790

■ 44, 12.564,
190.502

■ 44, 8.596, 191.216

Harmonies

Complementary

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



41, 28.760, 185.056



21, 51.574, 33.444

Rectangle

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



41, 28.760, 185.056



41, 28.760, 235.056



41, 28.760, 5.056



41, 28.760, 55.056

Sweetspot

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



41, 28.760, 185.055



56, 15.672, 190.438



40, 63.482, 135.378



28, 10.513, 190.215



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



41, 28.760, 185.055



53, 35.008, 184.758



26, 31.316, 271.929



22, 2.446, 192.030



44, 30.325, 184.963



87, 52.444, 184.342

Inverse Universe

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



21, 51.574, 33.444



29, 64.323, 35.747



27, 46.110, 55.686



21, 2.559, 13.160



23, 54.840, 34.241



51, 97.964, 37.392

Previews

White Background



This preview shows how the CIELCh color 41, 28.760, 185.056 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 41, 28.760, 185.056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

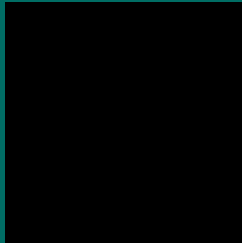
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 28.760, 185.056

Background



This preview shows how black text looks on a background with the CIELCh color 41, 28.760, 185.056.



This preview shows how white text looks on a background with the CIELCh color 41, 28.760, 185.056.

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

41, 28.760, 185.056

Protanopia

41, 2.206, 74.635

Deuteranopia

41, 6.635, 324.866



Tritanopia
41, 23.227, 209.100

Trichromacy



Original Color
41, 28.760, 185.056

Protanomaly
40, 14.824, 185.634

Deuteranomaly
40, 12.377, 206.522

Tritanomaly
41, 25.049, 199.393

Monochromacy



Original Color
41, 28.760, 185.056

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 14.861, 190.060

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 28.760, 185.056 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, 109, 100)` looks like.

```
.text, #text, p{  
    color:rgb(0, 109, 100)  
}
```

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, 109, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 28.760, 185.056 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, 109, 100) }
```

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

```
.border{ border-color:rgb(0, 109, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 109, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 100);  
box-shadow:4px 4px 4px 4px rgb(0, 109,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 28.760, 185.056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 109, 100) }
```

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

```
.background{ background-color: rgb(0, 109,  
100) }
```

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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