

Converting Colors

CIELCh(41, 28.687, 185.923)

Have a look what the booklet for
CIELCh(41, 28.687, 185.923)
contains.

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Color

CIELCh(41, 28.499, 186.236)

Conversions

Conversions Part 1

Format	Color
Hex	006D65
RGB	0, 109, 101
RGB Percent	0%, 43%, 40%
CMY	1.0000, 0.5727, 0.6041
CMYK	1.00, 0.00, 0.07, 0.57
HSL	176°, 100%, 21%
HSV	176°, 100%, 43%
XYZ	7.8084, 11.8645, 14.1781
YIQ	75.4970, -62.3960, -25.5960

Conversions

Conversions Part 2

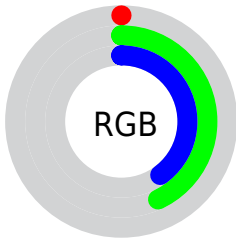
Format	Color
RYB	0, 57, 109
Decimal	28005
CIELab	41.00, -28.33, -3.10
CIELCh	41, 28.499, 186.236
Yxy	11.8645, 0.2307, 0.3505
Android (android.graphics.Color)	4278218085 (0xFF006D65)
YUV	75.4970, 12.5730, -66.2109
Hunter-Lab	34.4449, -19.8140, -0.2933

Details

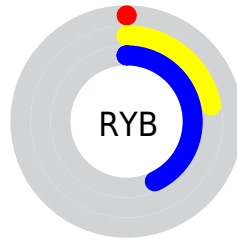
The CIELCh color **41, 28.499, 186.236** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **21, 51.773, 33.829**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 28.327, 186.536**, and **22, 19.827, 182.223** is the 20% darker color. If you saturate the color by 10%, you get **41, 28.491, 186.233**, and if you desaturate by 10%, it is **41, 27.501, 187.023**.

Distribution



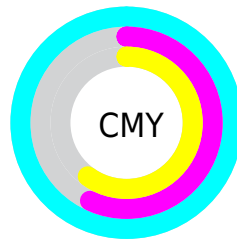
- Red (0%)
- Green (43%)
- Blue (40%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (57%)



- Cyan (100%)
- Magenta (57%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 28.499, 186.236 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, 28.499, 186.236 by changing the saturation by 10% instead.


 41, 28.499,
186.236


 41, 28.499,
186.236


 100, 28.499,
186.236

 31, 28.499,
186.236

 61, 28.499,
186.236


 21, 28.499,
186.236

 71, 28.499,
186.236

 11, 28.499,
186.236

 81, 28.499,
186.236

 1, 28.499, 186.236

 91, 28.499,
186.236

 0, 28.499, 186.236

 41, 28.499,

 41, 28.499,

186.236

186.236

■ 41, 28.491,
186.233

■ 41, 27.501,
187.023

■ 41, 26.239,
187.806

■ 42, 24.465,
188.546

■ 42, 22.175,
189.256

■ 42, 19.393,
189.948

■ 43, 16.163,
190.632

■ 44, 12.543,
191.314

■ 44, 8.599, 192.003

Harmonies

Complementary

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



41, 28.499, 186.236



21, 51.773, 33.829

Rectangle

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



41, 28.499, 186.236



41, 28.499, 236.236



41, 28.499, 6.236



41, 28.499, 56.236

Sweetspot

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



41, 28.491, 186.233



56, 15.619, 191.257



40, 63.472, 135.372



28, 10.475, 191.043



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, 28.491, 186.233



53, 34.677, 185.969



26, 31.319, 271.954



22, 2.441, 192.800



44, 30.045, 186.155



87, 51.925, 185.593

Inverse Universe

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



21, 51.773, 33.829



29, 64.637, 36.165



27, 46.115, 55.678



21, 2.556, 13.902



23, 55.065, 34.626



51, 98.421, 37.762

Previews

White Background



This preview shows how the CIELCh color 41, 28.499, 186.236 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, 28.499, 186.236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

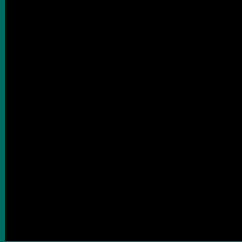
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 28.499, 186.236

Background



This preview shows how black text looks on a background with the CIELCh color 41, 28.499, 186.236.



This preview shows how white text looks on a background with the CIELCh color 41, 28.499, 186.236.

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, 28.499, 186.236

Protanopia

41, 1.743, 63.265

Deuteranopia

41, 6.937, 319.191



Tritanopia
41, 23.358, 209.017

Trichromacy



Original Color
41, 28.499, 186.236

Protanomaly
40, 14.630, 187.944

Deuteranomaly
40, 12.716, 209.093

Tritanomaly
41, 25.049, 199.393

Monochromacy



Original Color
41, 28.499, 186.236

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, 28.499, 186.236 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, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 109, 101)  
}
```

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, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 28.499, 186.236 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, 101) }
```

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

```
.border{ border-color:rgb(0, 109, 101) }
```

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, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 109,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 28.499, 186.236 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, 101) }
```

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

```
.background{ background-color: rgb(0, 109,  
101) }
```

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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