

Converting Colors

CIELCh(40, 25.441, 203.512)

Have a look what the booklet for
CIELCh(40, 25.441, 203.512)
contains.

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Color

CIELCh(40, 25.441, 203.512)

Conversions

Conversions Part 1

Format	Color
Hex	00696E
RGB	0, 105, 110
RGB Percent	0%, 41%, 43%
CMY	0.9991, 0.5879, 0.5683
CMYK	1.00, 0.05, 0.00, 0.57
HSL	183°, 100%, 22%
HSV	183°, 100%, 43%
XYZ	7.8831, 11.2510, 16.5340
YIQ	74.1750, -64.1850, -20.7050

Conversions

Conversions Part 2

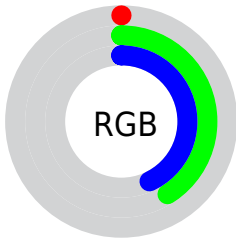
Format	Color
RYB	0, 54, 110
Decimal	26990
CIELab	40.00, -23.33, -10.15
CIElCh	40, 25.441, 203.512
Yxy	11.2510, 0.2210, 0.3154
Android (android.graphics.Color)	4278217070 (0xFF00696E)
YUV	74.1750, 17.6617, -65.0515
Hunter-Lab	33.5425, -16.7483, -5.7459

Details

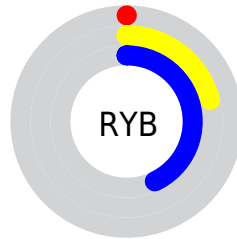
The CIELCh color **40, 25.441, 203.512** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **22, 53.204, 37.987**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 25.540, 203.638**, and **21, 16.672, 208.493** is the 20% darker color. If you saturate the color by 10%, you get **40, 25.454, 203.521**, and if you desaturate by 10%, it is **40, 24.808, 203.029**.

Distribution



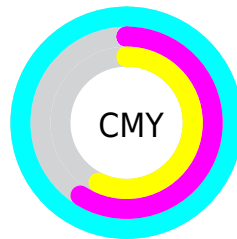
- Red (0%)
- Green (41%)
- Blue (43%)



- Red (0%)
- Yellow (21%)
- Blue (43%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (57%)





- Cyan (100%)
- Magenta (59%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 25.441, 203.512 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, 25.441, 203.512 by changing the saturation by 10% instead.


 40, 25.441,
203.512


 40, 25.441,
203.512


 100, 25.441,
203.512


 30, 25.441,
203.512

 60, 25.441,
203.512


 20, 25.441,
203.512

 70, 25.441,
203.512

 10, 25.441,
203.512

 80, 25.441,
203.512

 0, 25.441, 203.512

 90, 25.441,
203.512

 40, 25.441,

 40, 25.441,

203.512

■ 40, 25.454,
203.521

203.512

■ 40, 24.808,
203.029

■ 41, 23.885,
202.623

■ 41, 22.447,
202.358

■ 42, 20.485,
202.224

■ 42, 18.019,
202.208

■ 43, 15.091,
202.298

■ 44, 11.754,
202.480

■ 44, 8.070, 202.746

Harmonies

Complementary

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



40, 25.441, 203.512



22, 53.204, 37.987

Rectangle

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



40, 25.441, 203.512



40, 25.441, 253.512



40, 25.441, 23.512



40, 25.441, 73.512

Sweetspot

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



40, 25.441, 203.511



56, 14.602, 202.457



40, 63.671, 136.526



28, 9.776, 202.394



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



40, 25.441, 203.511



51, 30.649, 203.724



22, 39.507, 284.865



23, 2.399, 203.138



43, 27.030, 203.592



85, 46.022, 204.032

Inverse Universe

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



25, 60.106, 330.031



33, 72.470, 330.087



30, 44.841, 65.244



22, 4.443, 326.133



27, 63.891, 330.055



58, 108.903, 330.164

Previews

White Background



This preview shows how the CIE LCh color 40, 25.441, 203.512 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, 25.441, 203.512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

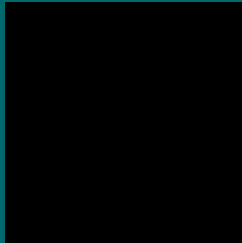
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 25.441, 203.512

Background



This preview shows how black text looks on a background with the CIELCh color 40, 25.441, 203.512.



This preview shows how white text looks on a background with the CIELCh color 40, 25.441, 203.512.

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, 25.441, 203.512

Protanopia

40, 5.496, 286.821

Deuteranopia

40, 12.867, 295.555



Tritanopia
40, 24.324, 208.441

Trichromacy



Original Color
40, 25.441, 203.512

Protanomaly
39, 14.489, 217.772

Deuteranomaly
39, 15.385, 235.117

Tritanomaly
40, 24.729, 206.725

Monochromacy



Original Color
40, 25.441, 203.512

Achromatopsia
31, 0.005, 296.813

Achromatomaly
34, 13.990, 202.743

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 25.441, 203.512 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, 105, 110)` looks like.

```
.text, #text, p{  
    color:rgb(0, 105, 110)  
}
```

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, 105, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 105, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 25.441, 203.512 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, 105, 110) }
```

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

```
.border{ border-color:rgb(0, 105, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 105, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 105, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 105, 110);  
box-shadow:4px 4px 4px 4px rgb(0, 105,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 25.441, 203.512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 105, 110) }
```

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

```
.background{ background-color: rgb(0, 105,  
110) }
```

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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