

Converting Colors

CIELCh(39, 33.451, 210.611)

Have a look what the booklet for
CIELCh(39, 33.451, 210.611)
contains.

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Color

CIELCh(40, 25.178, 216.887)

Conversions

Conversions Part 1

Format	Color
Hex	006876
RGB	0, 104, 118
RGB Percent	0%, 41%, 46%
CMY	1.0000, 0.5912, 0.5363
CMYK	1.00, 0.12, 0.00, 0.54
HSL	187°, 100%, 23%
HSV	187°, 100%, 46%
XYZ	8.2343, 11.2510, 18.9503
YIQ	74.5000, -66.4780, -17.6940

Conversions

Conversions Part 2

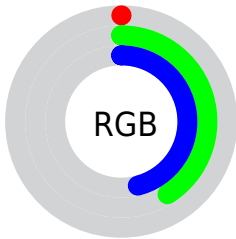
Format	Color
RYB	0, 55, 118
Decimal	26742
CIELab	40.00, -20.14, -15.11
CIELCh	40, 25.178, 216.887
Yxy	11.2510, 0.2142, 0.2927
Android (android.graphics.Color)	4278216822 (0xFF006876)
YUV	74.5000, 21.4455, -65.3365
Hunter-Lab	33.5425, -14.8795, -10.0170

Details

The CIELCh color **40, 25.178, 216.887** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **24, 55.681, 40.367**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 25.013, 217.491**, and **21, 17.163, 228.234** is the 20% darker color. If you saturate the color by 10%, you get **40, 25.054, 217.002**, and if you desaturate by 10%, it is **41, 24.498, 215.316**.

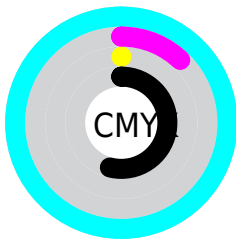
Distribution



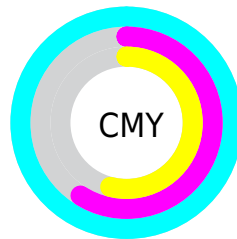
- Red (0%)
- Green (41%)
- Blue (46%)



- Red (0%)
- Yellow (22%)
- Blue (46%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (54%)




- Cyan (100%)
- Magenta (59%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 25.178, 216.887 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, 25.178, 216.887 by changing the saturation by 10% instead.


 40, 25.178,
216.887


 40, 25.178,
216.887


 100, 25.178,
216.887


 30, 25.178,
216.887

 60, 25.178,
216.887


 20, 25.178,
216.887

 70, 25.178,
216.887

 10, 25.178,
216.887

 80, 25.178,
216.887

 0, 25.178, 216.887

 90, 25.178,
216.887

 40, 25.178,

 40, 25.178,

216.887

216.887

■ 40, 25.054,
217.002

■ 41, 24.498,
215.316

■ 41, 23.643,
213.831

■ 42, 22.265,
212.676

■ 43, 20.356,
211.810

■ 44, 17.935,
211.189

■ 45, 15.047,
210.774

■ 46, 11.747,
210.532

■ 47, 8.099, 210.435

Harmonies

Complementary

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



40, 25.178, 216.887



24, 55.681, 40.367

Rectangle

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



40, 25.178, 216.887



40, 25.178, 266.887



40, 25.178, 36.887



40, 25.178, 86.887

Sweetspot

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



40, 25.054, 217.002



58, 14.469, 210.545



43, 65.277, 137.628



29, 9.690, 210.611



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



40, 25.054, 217.002



51, 30.146, 217.582



21, 48.910, 291.929



24, 2.334, 210.493



41, 25.677, 217.087



81, 43.376, 218.398

Inverse Universe

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



26, 59.896, 333.351



35, 72.033, 333.494



35, 46.768, 72.312



23, 4.386, 328.308



27, 61.381, 333.372



58, 103.553, 333.696

Previews

White Background



This preview shows how the CIE LCh color 40, 25.178, 216.887 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, 25.178, 216.887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

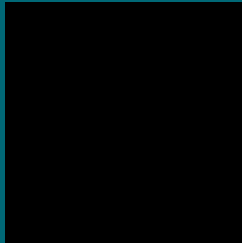
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 25.178, 216.887

Background



This preview shows how black text looks on a background with the CIELCh color 40, 25.178, 216.887.

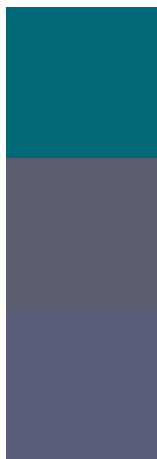


This preview shows how white text looks on a background with the CIELCh color 40, 25.178, 216.887.

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, 25.014, 217.063

Protanopia
40, 10.997, 287.819

Deuteranopia
40, 17.097, 287.812



Tritanopia
40, 25.218, 207.930

Trichromacy



Original Color
40, 25.014, 217.063

Protanomaly
39, 16.413, 237.869

Deuteranomaly
39, 18.685, 247.677

Tritanomaly
40, 25.143, 210.909

Monochromacy



Original Color
40, 25.014, 217.063

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 13.972, 210.731

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 25.178, 216.887 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, 104, 118)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 118)  
}
```

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, 104, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 25.178, 216.887 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, 104, 118) }
```

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

```
.border{ border-color:rgb(0, 104, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 104, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 118);  
box-shadow:4px 4px 4px 4px rgb(0, 104,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 25.178, 216.887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 104, 118) }
```

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

```
.background{ background-color: rgb(0, 104,  
118) }
```

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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