

Converting Colors

CIELCh(40, 25.103, 206.536)

Have a look what the booklet for
CIELCh(40, 25.103, 206.536)
contains.

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Color

CIELCh(40, 25.140, 206.517)

Conversions

Conversions Part 1

Format	Color
Hex	026970
RGB	2, 105, 112
RGB Percent	1%, 41%, 44%
CMY	0.9936, 0.5888, 0.5613
CMYK	0.99, 0.06, 0.00, 0.56
HSL	184°, 97%, 22%
HSV	184°, 99%, 44%
XYZ	7.9739, 11.2510, 17.0386
YIQ	75.0010, -63.6350, -19.6590

Conversions

Conversions Part 2

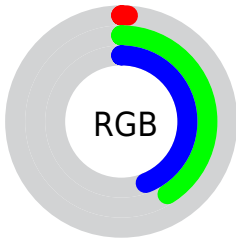
Format	Color
RYB	2, 55, 112
Decimal	158064
CIELab	40.00, -22.50, -11.22
CIELCh	40, 25.140, 206.517
Yxy	11.2510, 0.2199, 0.3103
Android (android.graphics.Color)	4278348144 (0xFF026970)
YUV	75.0010, 18.2405, -64.0219
Hunter-Lab	33.5425, -16.2654, -6.6379

Details

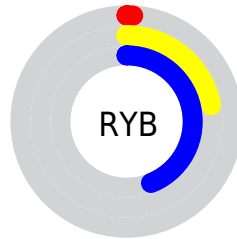
The CIELCh color **40, 25.140, 206.517** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **22, 53.218, 38.363**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 25.246, 206.381**, and **21, 16.626, 213.496** is the 20% darker color. If you saturate the color by 10%, you get **40, 25.228, 206.623**, and if you desaturate by 10%, it is **40, 24.536, 205.769**.

Distribution



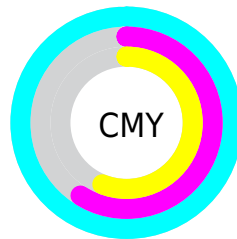
- Red (1%)
- Green (41%)
- Blue (44%)



- Red (1%)
- Yellow (22%)
- Blue (44%)



- Cyan (99%)
- Magenta (6%)
- Yellow (0%)
- Black (56%)





- Cyan (99%)
- Magenta (59%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 25.140, 206.517 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, 25.140, 206.517 by changing the saturation by 10% instead.


 40, 25.140,
206.517


 40, 25.140,
206.517


 100, 25.140,
206.517


 30, 25.140,
206.517

 60, 25.140,
206.517


 20, 25.140,
206.517

 70, 25.140,
206.517

 10, 25.140,
206.517

 80, 25.140,
206.517

 0, 25.140, 206.517

 90, 25.140,
206.517

 40, 25.140,

 40, 25.140,

206.517

■ 40, 25.228,
206.623

206.517

■ 40, 24.536,
205.769

■ 41, 23.580,
205.148

■ 41, 22.102,
204.707

■ 42, 20.098,
204.429

■ 43, 17.592,
204.294

■ 43, 14.628,
204.285

■ 44, 11.263,
204.384

■ 45, 7.557, 204.580

Harmonies

Complementary

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



40, 25.140, 206.517



22, 53.218, 38.363

Rectangle

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



40, 25.140, 206.517



40, 25.140, 256.517



40, 25.140, 26.517



40, 25.140, 76.517

Sweetspot

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



40, 25.139, 206.516



56, 14.558, 204.353



41, 63.691, 136.831



29, 9.885, 204.317



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



40, 25.139, 206.516



51, 30.414, 206.917



22, 40.755, 285.997



23, 2.359, 204.867



43, 26.488, 206.706



84, 45.065, 207.351

Inverse Universe

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



25, 59.695, 330.759



34, 72.396, 330.877



32, 44.688, 66.808



22, 4.389, 326.649



27, 63.027, 330.825



58, 107.346, 330.984

Previews

White Background



This preview shows how the CIELCh color 40, 25.140, 206.517 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, 25.140, 206.517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

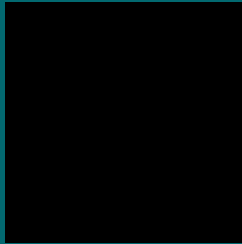
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 25.140, 206.517

Background



This preview shows how black text looks on a background with the CIELCh color 40, 25.140, 206.517.



This preview shows how white text looks on a background with the CIELCh color 40, 25.140, 206.517.

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, 25.140, 206.517

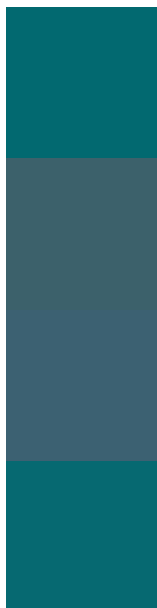
Protanopia
40, 6.718, 291.210

Deuteranopia
40, 14.062, 293.853



Tritanopia
40, 24.609, 208.274

Trichromacy



Original Color
40, 25.140, 206.517

Protanomaly
39, 14.234, 223.690

Deuteranomaly
39, 15.987, 239.185

Tritanomaly
40, 24.811, 208.158

Monochromacy



Original Color
40, 25.140, 206.517

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 13.991, 202.746

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 25.140, 206.517 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(2, 105, 112)` looks like.

```
.text, #text, p{  
    color:rgb(2, 105, 112)  
}
```

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(2, 105, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 105, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 25.140, 206.517 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(2, 105, 112) }
```

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

```
.border{ border-color:rgb(2, 105, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 105, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 105, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 105, 112);  
box-shadow:4px 4px 4px 4px rgb(2, 105,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 25.140, 206.517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 105, 112) }
```

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

```
.background{ background-color: rgb(2, 105,  
112) }
```

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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