

Converting Colors

CIELCh(37, 53.868, 199.288)

Have a look what the booklet for
CIELCh(37, 53.868, 199.288)
contains.

CIELCh(40, 25.345, 209.305)	3
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Color

CIELCh(40, 25.345, 209.305)

Conversions

Conversions Part 1

Format	Color
Hex	006972
RGB	0, 105, 114
RGB Percent	0%, 41%, 45%
CMY	1.0000, 0.5890, 0.5538
CMYK	1.00, 0.08, 0.00, 0.55
HSL	185°, 100%, 22%
HSV	185°, 100%, 45%
XYZ	8.0170, 11.2510, 17.6050
YIQ	74.6310, -65.4690, -19.4610

Conversions

Conversions Part 2

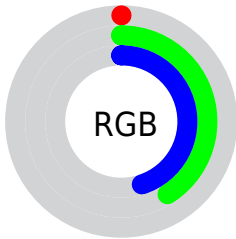
Format	Color
RYB	0, 55, 114
Decimal	26994
CIELab	40.00, -22.10, -12.41
CIELCh	40, 25.345, 209.305
Yxy	11.2510, 0.2174, 0.3051
Android (android.graphics.Color)	4278217074 (0xFF006972)
YUV	74.6310, 19.4089, -65.4514
Hunter-Lab	33.5425, -16.0359, -7.6390

Details

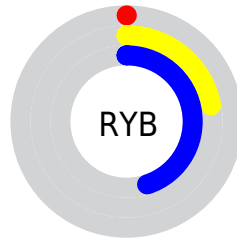
The CIELCh color **40, 25.345, 209.305** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **23, 54.386, 39.120**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 25.222, 209.061**, and **21, 16.693, 218.497** is the 20% darker color. If you saturate the color by 10%, you get **40, 25.138, 209.431**, and if you desaturate by 10%, it is **40, 24.568, 208.436**.

Distribution



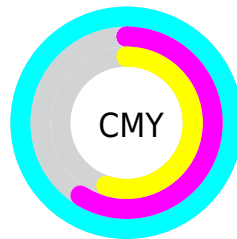
- Red (0%)
- Green (41%)
- Blue (45%)



- Red (0%)
- Yellow (22%)
- Blue (45%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (55%)





- Cyan (100%)
- Magenta (59%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 25.345, 209.305 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, 25.345, 209.305 by changing the saturation by 10% instead.


 40, 25.345,
209.305


 40, 25.345,
209.305


 100, 25.345,
209.305


 30, 25.345,
209.305

 60, 25.345,
209.305


 20, 25.345,
209.305

 70, 25.345,
209.305

 10, 25.345,
209.305

 80, 25.345,
209.305

 0, 25.345, 209.305

 90, 25.345,
209.305

 40, 25.345,

 40, 25.345,

209.305

■ 40, 25.138,
209.431

209.305

■ 40, 24.568,
208.436

■ 41, 23.705,
207.564

■ 41, 22.319,
206.914

■ 42, 20.401,
206.462

■ 43, 17.974,
206.183

■ 44, 15.080,
206.052

■ 45, 11.773,
206.049

■ 46, 8.116, 206.156

Harmonies

Complementary

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



40, 25.345, 209.305



23, 54.386, 39.120

Rectangle

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



40, 25.345, 209.305



40, 25.345, 259.305



40, 25.345, 29.305



40, 25.345, 79.305

Sweetspot

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



40, 25.138, 209.431



57, 14.553, 206.045



41, 64.540, 136.962



29, 9.745, 206.036



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, 25.138, 209.431



52, 30.317, 209.807



22, 43.316, 287.988



23, 2.325, 206.407



42, 26.076, 209.512



83, 44.348, 210.345

Inverse Universe

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



25, 60.043, 331.494



34, 72.441, 331.587



32, 45.774, 68.007



22, 4.342, 327.105



27, 62.290, 331.514



57, 106.021, 331.719

Previews

White Background



This preview shows how the CIE LCh color 40, 25.345, 209.305 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, 25.345, 209.305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

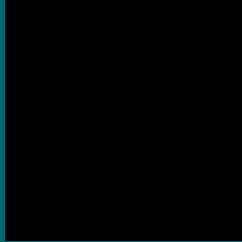
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 25.345, 209.305

Background



This preview shows how black text looks on a background with the CIELCh color 40, 25.345, 209.305.



This preview shows how white text looks on a background with the CIELCh color 40, 25.345, 209.305.

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, 25.173, 209.417

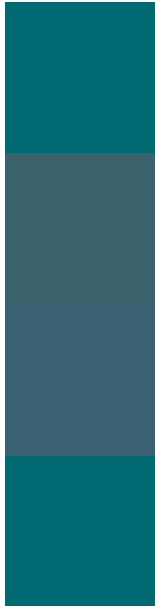
Protanopia
40, 7.343, 285.097

Deuteranopia
40, 15.269, 292.480



Tritanopia
40, 25.218, 207.930

Trichromacy



Original Color
40, 25.173, 209.417

Protanomaly
39, 14.933, 224.964

Deuteranomaly
39, 16.856, 242.274

Tritanomaly
40, 25.218, 207.930

Monochromacy



Original Color
40, 25.173, 209.417

Achromatopsia
31, 0.005, 296.813

Achromatomaly
34, 13.955, 205.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 25.345, 209.305 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, 114)` looks like.

```
.text, #text, p{  
    color:rgb(0, 105, 114)  
}
```

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, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 105, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 25.345, 209.305 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, 114) }
```

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

```
.border{ border-color:rgb(0, 105, 114) }
```

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, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 105, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 105, 114);  
box-shadow:4px 4px 4px 4px rgb(0, 105,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 25.345, 209.305 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, 114) }
```

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

```
.background{ background-color: rgb(0, 105,  
114) }
```

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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