

Converting Colors

CIELCh(40, 27.318, 239.821)

Have a look what the booklet for
CIELCh(40, 27.318, 239.821)
contains.

CIELCh(40, 27.308, 240.126)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(40, 27.308, 240.126)

Conversions

Conversions Part 1

Format	Color
Hex	016684
RGB	1, 102, 132
RGB Percent	0%, 40%, 52%
CMY	0.9961, 0.5987, 0.4810
CMYK	0.99, 0.23, 0.00, 0.48
HSL	194°, 99%, 26%
HSV	194°, 99%, 52%
XYZ	8.9859, 11.2510, 23.6549
YIQ	75.2210, -69.8260, -12.0820

Conversions

Conversions Part 2

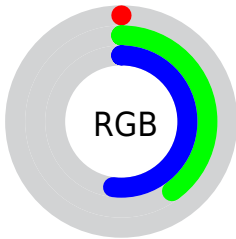
Format	Color
R_YB	1, 58, 132
Decimal	91780
CIE _{Lab}	40.00, -13.60, -23.68
CIE _{LCh}	40, 27.308, 240.126
Yxy	11.2510, 0.2047, 0.2563
Android (android.graphics.Color)	4278281860 (0xFF016684)
YUV	75.2210, 27.9920, -65.0918
Hunter-Lab	33.5425, -10.8800, -18.3329

Details

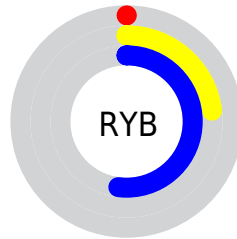
The CIELCh color **40, 27.308, 240.126** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **29, 58.637, 44.627**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 27.266, 239.957**, and **21, 21.564, 256.585** is the 20% darker color. If you saturate the color by 10%, you get **40, 27.387, 240.396**, and if you desaturate by 10%, it is **41, 26.291, 236.451**.

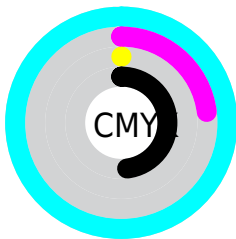
Distribution



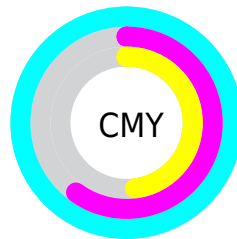
- Red (0%)
- Green (40%)
- Blue (52%)



- Red (0%)
- Yellow (23%)
- Blue (52%)



- Cyan (99%)
- Magenta (23%)
- Yellow (0%)
- Black (48%)




- Cyan (100%)
- Magenta (60%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 27.308, 240.126 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, 27.308, 240.126 by changing the saturation by 10% instead.

 40, 27.308,
240.126


 40, 27.308,
240.126


 100, 27.308,
240.126


 30, 27.308,
240.126

 60, 27.308,
240.126


 20, 27.308,
240.126

 70, 27.308,
240.126

 10, 27.308,
240.126

 80, 27.308,
240.126

 0, 27.308, 240.126

 90, 27.308,
240.126

 40, 27.308,

 40, 27.308,

240.126

■ 40, 27.387,
240.396

240.126

■ 41, 26.291,
236.451

■ 42, 25.010,
233.203

■ 44, 23.284,
230.559

■ 45, 21.082,
228.449

■ 47, 18.412,
226.792

■ 48, 15.311,
225.509

■ 50, 11.829,
224.531

■ 52, 8.024, 223.804

Harmonies

Complementary

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



40, 27.308, 240.126



29, 58.637, 44.627

Rectangle

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



40, 27.308, 240.126



40, 27.308, 290.126



40, 27.308, 60.126



40, 27.308, 110.126

Sweetspot

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



40, 27.307, 240.126



63, 14.878, 224.653



48, 67.542, 139.530



32, 10.101, 224.988



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



40, 27.307, 240.126



51, 33.143, 241.447



20, 62.491, 298.007



27, 2.416, 223.299



39, 27.034, 240.316



0, 0.591, 222.846

Inverse Universe

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



29, 59.719, 339.462



38, 71.860, 339.859



43, 50.925, 81.180



26, 4.496, 332.072



29, 59.090, 339.521



0, 1.070, 331.542

Previews

White Background



This preview shows how the CIE LCh color 40, 27.308, 240.126 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, 27.308, 240.126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

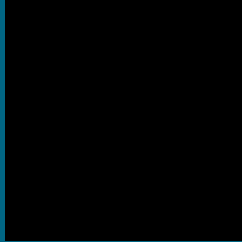
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 27.308, 240.126

Background



This preview shows how black text looks on a background with the CIELCh color 40, 27.308, 240.126.

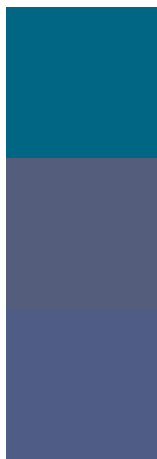


This preview shows how white text looks on a background with the CIELCh color 40, 27.308, 240.126.

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, 27.263, 240.216

Protanopia

40, 19.630, 284.766

Deuteranopia

40, 25.237, 283.241



Tritanopia
40, 25.218, 207.930

Trichromacy



Original Color
40, 27.263, 240.216

Protanomaly
39, 22.819, 258.422

Deuteranomaly
39, 25.505, 262.056

Tritanomaly
40, 25.127, 220.058

Monochromacy



Original Color
40, 27.263, 240.216

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 14.420, 226.745

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 27.308, 240.126 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(1, 102, 132)` looks like.

```
.text, #text, p{  
    color:rgb(1, 102, 132)  
}
```

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(1, 102, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 102, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 27.308, 240.126 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(1, 102, 132) }
```

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

```
.border{ border-color:rgb(1, 102, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 102, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 102, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 102, 132);  
box-shadow:4px 4px 4px 4px rgb(1, 102,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 27.308, 240.126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 102, 132) }
```

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

```
.background{ background-color: rgb(1, 102,  
132) }
```

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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