

Converting Colors

CIELCh(40, 27.270, 238.733)

Have a look what the booklet for
CIELCh(40, 27.270, 238.733)
contains.

CIELCh(40, 27.164, 238.537)	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, 27.164, 238.537)

Conversions

Conversions Part 1

Format	Color
Hex	006784
RGB	0, 103, 132
RGB Percent	0%, 40%, 52%
CMY	1.0000, 0.5979, 0.4843
CMYK	1.00, 0.22, 0.00, 0.48
HSL	193°, 100%, 26%
HSV	193°, 100%, 52%
XYZ	8.9178, 11.2510, 23.3557
YIQ	75.5090, -70.6970, -12.8170

Conversions

Conversions Part 2

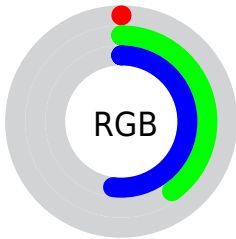
Format	Color
RYB	0, 58, 132
Decimal	26500
CIELab	40.00, -14.18, -23.17
CIELCh	40, 27.164, 238.537
Yxy	11.2510, 0.2049, 0.2585
Android (android.graphics.Color)	4278216580 (0xFF006784)
YUV	75.5090, 27.8501, -66.2214
Hunter-Lab	33.5425, -11.2420, -17.8039

Details

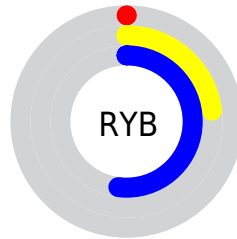
The CIELCh color **40, 27.164, 238.537** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **29, 58.929, 44.317**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 27.154, 238.483**, and **22, 21.191, 254.478** is the 20% darker color. If you saturate the color by 10%, you get **40, 27.101, 238.658**, and if you desaturate by 10%, it is **41, 26.148, 235.106**.

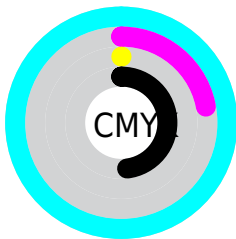
Distribution



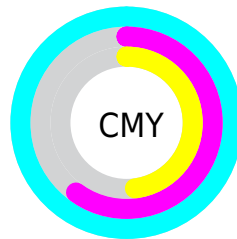
- Red (0%)
- Green (40%)
- Blue (52%)



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



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (48%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 27.164, 238.537 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, 27.164, 238.537 by changing the saturation by 10% instead.

 40, 27.164,
238.537


 40, 27.164,
238.537


 100, 27.164,
238.537


 30, 27.164,
238.537

 60, 27.164,
238.537


 20, 27.164,
238.537

 70, 27.164,
238.537

 10, 27.164,
238.537

 80, 27.164,
238.537

 0, 27.164, 238.537

 90, 27.164,
238.537

 40, 27.164,

 40, 27.164,

238.537

238.537

■ 40, 27.101,
238.658

■ 41, 26.148,
235.106

■ 42, 24.951,
231.930

■ 44, 23.302,
229.348

■ 45, 21.169,
227.291

■ 46, 18.560,
225.680

■ 48, 15.511,
224.438

■ 50, 12.072,
223.496

■ 51, 8.303, 222.801

Harmonies

Complementary

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



40, 27.164, 238.537



29, 58.929, 44.317

Rectangle

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



40, 27.164, 238.537



40, 27.164, 288.537



40, 27.164, 58.537



40, 27.164, 108.537

Sweetspot

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



40, 27.101, 238.658



63, 14.916, 223.552



48, 67.488, 139.446



32, 10.126, 223.868



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, 27.101, 238.658



52, 32.931, 239.707



20, 62.667, 298.193



27, 2.424, 222.295



40, 26.879, 238.608



0, 0.593, 221.877

Inverse Universe

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



29, 59.903, 339.036



38, 72.284, 339.342



43, 50.922, 81.072



26, 4.522, 331.774



29, 59.432, 339.021



0, 1.076, 331.247

Previews

White Background



This preview shows how the CIELCh color 40, 27.164, 238.537 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, 27.164, 238.537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

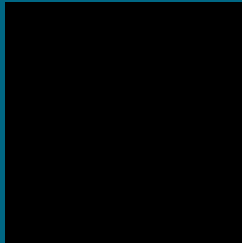
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 27.164, 238.537

Background



This preview shows how black text looks on a background with the CIELCh color 40, 27.164, 238.537.

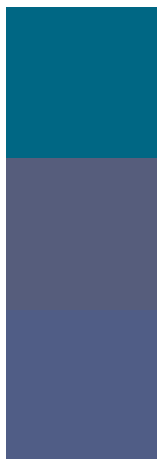


This preview shows how white text looks on a background with the CIELCh color 40, 27.164, 238.537.

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, 27.164, 238.537

Protanopia

40, 18.993, 285.417

Deuteranopia

40, 25.191, 283.949



Tritanopia
40, 25.218, 207.930

Trichromacy



Original Color
40, 27.164, 238.537

Protanomaly
39, 22.236, 257.840

Deuteranomaly
39, 25.505, 262.056

Tritanomaly
40, 25.127, 220.058

Monochromacy



Original Color
40, 27.164, 238.537

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, 27.164, 238.537 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, 103, 132)` looks like.

```
.text, #text, p{  
    color:rgb(0, 103, 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(0, 103, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 103, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 27.164, 238.537 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, 103, 132) }
```

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

```
.border{ border-color:rgb(0, 103, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 103, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 103, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 103, 132);  
box-shadow:4px 4px 4px 4px rgb(0, 103,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 27.164, 238.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 103, 132) }
```

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

```
.background{ background-color: rgb(0, 103,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor