

Converting Colors

CIELCh(35, 60.283, 212.870)

Have a look what the booklet for
CIELCh(35, 60.283, 212.870)
contains.

CIELCh(40, 27.874, 242.593)	3
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Color

CIELCh(40, 27.874, 242.593)

Conversions

Conversions Part 1

Format	Color
Hex	006686
RGB	0, 102, 134
RGB Percent	0%, 40%, 53%
CMY	0.9986, 0.5996, 0.4741
CMYK	1.00, 0.24, 0.00, 0.47
HSL	194°, 99%, 26%
HSV	194°, 100%, 53%
XYZ	9.0775, 11.2510, 24.2897
YIQ	75.1500, -71.0640, -11.6720

Conversions

Conversions Part 2

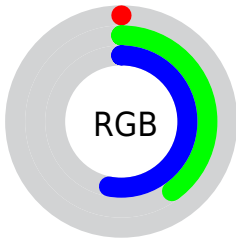
Format	Color
RYB	0, 58, 134
Decimal	26246
CIELab	40.00, -12.83, -24.75
CIELCh	40, 27.874, 242.593
Yxy	11.2510, 0.2034, 0.2522
Android (android.graphics.Color)	4278216326 (0xFF006686)
YUV	75.1500, 29.0131, -65.9065
Hunter-Lab	33.5425, -10.3926, -19.4549

Details

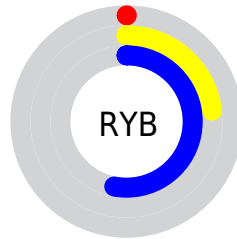
The CIELCh color **40, 27.874, 242.593** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **30, 59.294, 45.141**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 27.700, 242.406**, and **21, 22.503, 259.452** is the 20% darker color. If you saturate the color by 10%, you get **40, 27.903, 242.691**, and if you desaturate by 10%, it is **41, 26.765, 238.758**.

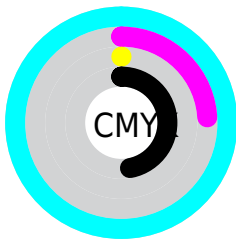
Distribution



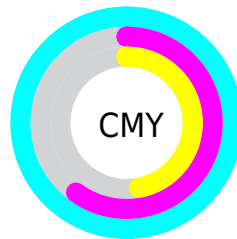
- Red (0%)
- Green (40%)
- Blue (53%)



- Red (0%)
- Yellow (23%)
- Blue (53%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (47%)




- Cyan (100%)
- Magenta (60%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 27.874, 242.593 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, 27.874, 242.593 by changing the saturation by 10% instead.


 40, 27.874,
242.593


 40, 27.874,
242.593


 100, 27.874,
242.593


 30, 27.874,
242.593

 60, 27.874,
242.593


 20, 27.874,
242.593

 70, 27.874,
242.593

 10, 27.874,
242.593

 80, 27.874,
242.593

 0, 27.874, 242.593

 90, 27.874,
242.593

 40, 27.874,

 40, 27.874,

242.593

■ 40, 27.903,
242.691

242.593

■ 41, 26.765,
238.758

■ 42, 25.426,
235.327

■ 44, 23.657,
232.517

■ 45, 21.424,
230.262

■ 47, 18.729,
228.483

■ 49, 15.605,
227.096

■ 50, 12.103,
226.030

■ 52, 8.279, 225.227

Harmonies

Complementary

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



40, 27.874, 242.593



30, 59.294, 45.141

Rectangle

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



40, 27.874, 242.593



40, 27.874, 292.593



40, 27.874, 62.593



40, 27.874, 112.593

Sweetspot

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



40, 27.873, 242.593



64, 15.014, 226.116



48, 67.753, 139.857



32, 10.075, 226.473



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, 27.873, 242.593



51, 33.843, 243.771



20, 65.026, 298.974



27, 2.407, 224.631



39, 27.272, 242.545



0, 0.588, 224.133

Inverse Universe

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



30, 59.901, 340.207



39, 72.084, 340.572



44, 51.787, 82.564



26, 4.462, 332.472



29, 58.647, 340.193



0, 1.062, 331.936

Previews

White Background



This preview shows how the CIELCh color 40, 27.874, 242.593 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, 27.874, 242.593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

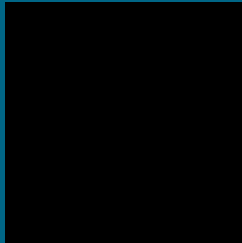
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 27.874, 242.593

Background



This preview shows how black text looks on a background with the CIELCh color 40, 27.874, 242.593.



This preview shows how white text looks on a background with the CIELCh color 40, 27.874, 242.593.

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, 27.874, 242.593

Protanopia

40, 20.864, 284.566

Deuteranopia

40, 26.461, 283.329



Tritanopia
40, 25.218, 207.930

Trichromacy



Original Color
40, 27.874, 242.593

Protanomaly
39, 23.753, 260.545

Deuteranomaly
39, 26.571, 263.446

Tritanomaly
40, 25.207, 221.544

Monochromacy



Original Color
40, 27.874, 242.593

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, 27.874, 242.593 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, 102, 134)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 134)  
}
```

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, 102, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 27.874, 242.593 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, 102, 134) }
```

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

```
.border{ border-color:rgb(0, 102, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 102, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 134);  
box-shadow:4px 4px 4px 4px rgb(0, 102,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 27.874, 242.593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 102, 134) }
```

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

```
.background{ background-color: rgb(0, 102,  
134) }
```

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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