

Converting Colors

CIELCh(40, 27.636, 241.924)

Have a look what the booklet for
CIELCh(40, 27.636, 241.924)
contains.

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Color

CIELCh(40, 27.789, 242.776)

Conversions

Conversions Part 1

Format	Color
Hex	026686
RGB	2, 102, 134
RGB Percent	1%, 40%, 53%
CMY	0.9914, 0.5998, 0.4743
CMYK	0.98, 0.24, 0.00, 0.47
HSL	195°, 97%, 27%
HSV	195°, 98%, 53%
XYZ	9.0915, 11.2510, 24.2688
YIQ	75.7480, -69.8720, -11.2480

Conversions

Conversions Part 2

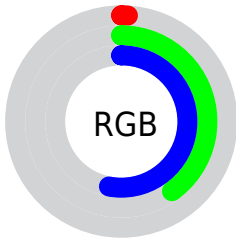
Format	Color
R_YB	2, 59, 134
Decimal	157318
CIE _{Lab}	40.00, -12.71, -24.71
CIE _{LCh}	40, 27.789, 242.776
Yxy	11.2510, 0.2038, 0.2522
Android (android.graphics.Color)	4278347398 (0xFF026686)
YUV	75.7480, 28.7182, -64.6770
Hunter-Lab	33.5425, -10.3177, -19.4181

Details

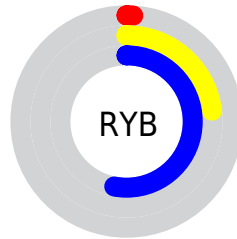
The CIELCh color **40, 27.789, 242.776** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **30, 58.409, 45.230**, and the grayscale version is **32, 0.005, 296.813**.

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, 27.982, 243.396**, and if you desaturate by 10%, it is **41, 26.648, 238.904**.

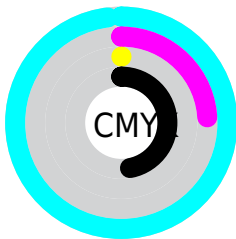
Distribution



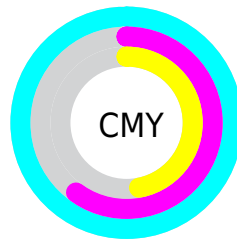
- Red (1%)
- Green (40%)
- Blue (53%)



- Red (1%)
- Yellow (23%)
- Blue (53%)



- Cyan (98%)
- Magenta (24%)
- Yellow (0%)
- Black (47%)




- Cyan (99%)
- Magenta (60%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 27.789, 242.776 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, 27.789, 242.776 by changing the saturation by 10% instead.

 40, 27.789,
242.776


 40, 27.789,
242.776


 100, 27.789,
242.776


 30, 27.789,
242.776

 60, 27.789,
242.776


 20, 27.789,
242.776

 70, 27.789,
242.776

 10, 27.789,
242.776

 80, 27.789,
242.776

 0, 27.789, 242.776

 90, 27.789,
242.776

 40, 27.789,

 40, 27.789,

242.776

■ 40, 27.982,
243.396

242.776

■ 41, 26.648,
238.904

■ 43, 25.232,
235.518

■ 44, 23.384,
232.750

■ 45, 21.075,
230.532

■ 47, 18.312,
228.781

■ 49, 15.131,
227.417

■ 50, 11.581,
226.368

■ 52, 7.720, 225.578

Harmonies

Complementary

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



40, 27.789, 242.776



30, 58.409, 45.230

Rectangle

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



40, 27.789, 242.776



40, 27.789, 292.776



40, 27.789, 62.776



40, 27.789, 112.776

Sweetspot

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



40, 27.788, 242.776



64, 15.003, 226.584



48, 67.208, 140.047



32, 10.069, 226.948



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, 27.788, 242.776



51, 33.958, 244.488



20, 64.059, 298.602



27, 2.404, 225.058



39, 27.356, 243.250



0, 0.588, 224.546

Inverse Universe

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



30, 59.550, 340.256



39, 71.910, 340.797



44, 51.373, 82.788



26, 4.451, 332.600



28, 58.507, 340.410



0, 1.059, 332.063

Previews

White Background



This preview shows how the CIELCh color 40, 27.789, 242.776 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, 27.789, 242.776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

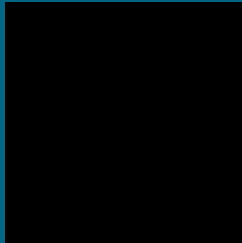
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 27.789, 242.776

Background



This preview shows how black text looks on a background with the CIELCh color 40, 27.789, 242.776.

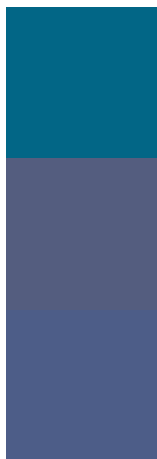


This preview shows how white text looks on a background with the CIELCh color 40, 27.789, 242.776.

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, 27.789, 242.776

Protanopia

40, 20.864, 284.566

Deuteranopia

40, 26.508, 282.675



Tritanopia
40, 25.218, 207.930

Trichromacy



Original Color
40, 27.789, 242.776

Protanomaly
39, 23.753, 260.545

Deuteranomaly
39, 26.571, 263.446

Tritanomaly
40, 25.147, 221.612

Monochromacy



Original Color
40, 27.789, 242.776

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 14.394, 229.776

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 27.789, 242.776 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, 102, 134)` looks like.

```
.text, #text, p{  
    color:rgb(2, 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(2, 102, 134) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 40, 27.789, 242.776 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, 102, 134) }
```

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

```
.border{ border-color:rgb(2, 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(2, 102, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 102, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 102, 134);  
box-shadow:4px 4px 4px 4px rgb(2, 102,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 27.789, 242.776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 102, 134) }
```

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

```
.background{ background-color: rgb(2, 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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