

Converting Colors

CIELCh(40, 26.163, 233.203)

Have a look what the booklet for
CIELCh(40, 26.163, 233.203)
contains.

CIELCh(40, 26.188, 233.333)	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, 26.188, 233.333)

Conversions

Conversions Part 1

Format	Color
Hex	016780
RGB	1, 103, 128
RGB Percent	0%, 40%, 50%
CMY	0.9967, 0.5963, 0.4983
CMYK	0.99, 0.20, 0.00, 0.50
HSL	192°, 99%, 25%
HSV	192°, 99%, 50%
XYZ	8.7470, 11.2510, 22.1117
YIQ	75.3520, -68.8170, -13.8490

Conversions

Conversions Part 2

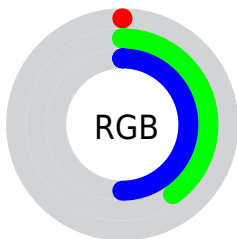
Format	Color
R_YB	1, 58, 128
Decimal	92032
CIE _{Lab}	40.00, -15.64, -21.01
CIE _{LCh}	40, 26.188, 233.333
Yxy	11.2510, 0.2077, 0.2672
Android (android.graphics.Color)	4278282112 (0xFF016780)
YUV	75.3520, 25.9555, -65.2067
Hunter-Lab	33.5425, -12.1512, -15.6052

Details

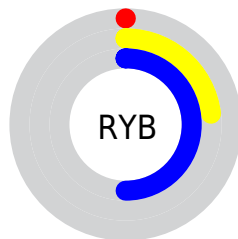
The CIELCh color **40, 26.188, 233.333** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **28, 57.763, 43.252**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 26.146, 233.881**, and **22, 19.942, 249.516** is the 20% darker color. If you saturate the color by 10%, you get **40, 26.242, 233.536**, and if you desaturate by 10%, it is **41, 25.390, 230.183**.

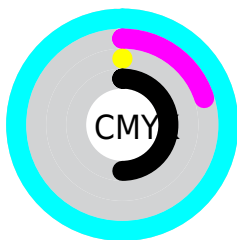
Distribution



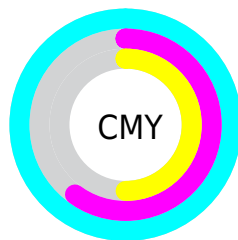
- Red (0%)
- Green (40%)
- Blue (50%)



- Red (0%)
- Yellow (23%)
- Blue (50%)



- Cyan (99%)
- Magenta (20%)
- Yellow (0%)
- Black (50%)





- Cyan (100%)
- Magenta (60%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 26.188, 233.333 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, 26.188, 233.333 by changing the saturation by 10% instead.


 40, 26.188,
233.333


 40, 26.188,
233.333


 100, 26.188,
233.333


 30, 26.188,
233.333

 60, 26.188,
233.333


 20, 26.188,
233.333

 70, 26.188,
233.333

 10, 26.188,
233.333

 80, 26.188,
233.333

 0, 26.188, 233.333

 90, 26.188,
233.333

 40, 26.188,

 40, 26.188,

233.333

233.333

■ 40, 26.242,
233.536

■ 41, 25.390,
230.183

■ 42, 24.299,
227.418

■ 43, 22.727,
225.195

■ 44, 20.653,
223.444

■ 46, 18.092,
222.090

■ 47, 15.084,
221.064

■ 49, 11.683,
220.305

■ 50, 7.949, 219.766

Harmonies

Complementary

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



40, 26.188, 233.333



28, 57.763, 43.252

Rectangle

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



40, 26.188, 233.333



40, 26.188, 283.333



40, 26.188, 53.333



40, 26.188, 103.333

Sweetspot

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



40, 26.187, 233.333



62, 14.692, 220.394



46, 67.046, 138.812



32, 9.972, 220.646



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



40, 26.187, 233.333



51, 31.754, 234.497



21, 57.857, 296.178



26, 2.373, 219.425



40, 26.176, 233.522



0, 0.000, 0.000

Inverse Universe

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



28, 59.652, 337.536



37, 71.945, 337.860



40, 49.401, 78.232



25, 4.451, 330.922



28, 59.611, 337.592



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 40, 26.188, 233.333 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, 26.188, 233.333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

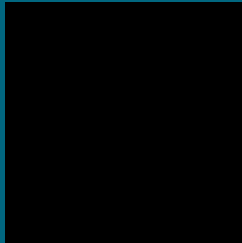
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 26.188, 233.333

Background



This preview shows how black text looks on a background with the CIELCh color 40, 26.188, 233.333.

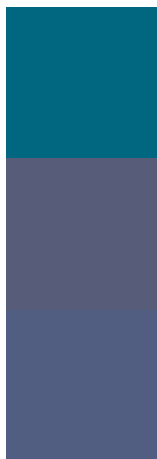


This preview shows how white text looks on a background with the CIELCh color 40, 26.188, 233.333.

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, 26.188, 233.333

Protanopia

40, 17.156, 285.416

Deuteranopia

40, 22.734, 283.971



Tritanopia
40, 25.218, 207.930

Trichromacy



Original Color
40, 26.188, 233.333

Protanomaly
39, 20.462, 252.811

Deuteranomaly
39, 23.172, 256.778

Tritanomaly
40, 25.014, 217.063

Monochromacy



Original Color
40, 26.188, 233.333

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 14.068, 221.702

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 26.188, 233.333 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, 103, 128)` looks like.

```
.text, #text, p{  
    color:rgb(1, 103, 128)  
}
```

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, 103, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 103, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 26.188, 233.333 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, 103, 128) }
```

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

```
.border{ border-color:rgb(1, 103, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 103, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 103, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 103, 128);  
box-shadow:4px 4px 4px 4px rgb(1, 103,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 26.188, 233.333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 103, 128) }
```

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

```
.background{ background-color: rgb(1, 103,  
128) }
```

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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