

Converting Colors

CIELCh(40, 28.034, 243.809)

Have a look what the booklet for
CIELCh(40, 28.034, 243.809)
contains.

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Color

CIELCh(40, 28.092, 243.973)

Conversions

Conversions Part 1

Format	Color
Hex	026687
RGB	2, 102, 135
RGB Percent	1%, 40%, 53%
CMY	0.9928, 0.6002, 0.4708
CMYK	0.99, 0.24, 0.00, 0.47
HSL	195°, 97%, 27%
HSV	195°, 99%, 53%
XYZ	9.1377, 11.2510, 24.5899
YIQ	75.8620, -70.1930, -10.9370

Conversions

Conversions Part 2

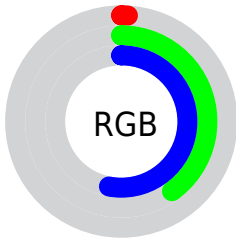
Format	Color
R_{YB}	2, 59, 135
Decimal	157319
CIE _{Lab}	40.00, -12.33, -25.24
CIE _{LCh}	40, 28.092, 243.973
Yxy	11.2510, 0.2032, 0.2501
Android (android.graphics.Color)	4278347399 (0xFF026687)
YUV	75.8620, 29.1550, -64.7770
Hunter-Lab	33.5425, -10.0723, -19.9856

Details

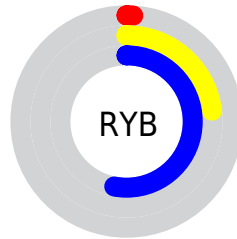
The CIELCh color **40, 28.092, 243.973** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **30, 58.744, 45.486**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 28.009, 243.443**, and **22, 22.989, 260.799** is the 20% darker color. If you saturate the color by 10%, you get **40, 28.260, 244.499**, and if you desaturate by 10%, it is **41, 26.904, 240.026**.

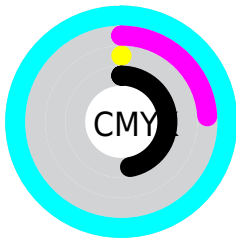
Distribution



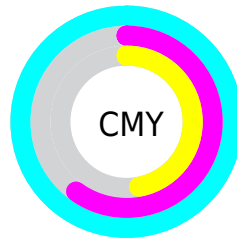
- Red (1%)
- Green (40%)
- Blue (53%)



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



- Cyan (99%)
- Magenta (24%)
- Yellow (0%)
- Black (47%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 28.092, 243.973 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, 28.092, 243.973 by changing the saturation by 10% instead.


 40, 28.092,
243.973


 40, 28.092,
243.973


 100, 28.092,
243.973


 30, 28.092,
243.973

 60, 28.092,
243.973


 20, 28.092,
243.973

 70, 28.092,
243.973

 10, 28.092,
243.973

 80, 28.092,
243.973

 0, 28.092, 243.973

 90, 28.092,
243.973

 40, 28.092,

 40, 28.092,

243.973

243.973

■ 40, 28.260,
244.499

■ 41, 26.904,
240.026

■ 43, 25.456,
236.553

■ 44, 23.587,
233.706

■ 46, 21.261,
231.419

■ 47, 18.484,
229.609

■ 49, 15.291,
228.194

■ 51, 11.730,
227.103

■ 53, 7.859, 226.275

Harmonies

Complementary

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



40, 28.092, 243.973



30, 58.744, 45.486

Rectangle

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



40, 28.092, 243.973



40, 28.092, 293.973



40, 28.092, 63.973



40, 28.092, 113.973

Sweetspot

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



40, 28.091, 243.974



65, 15.164, 227.302



49, 67.652, 139.998



33, 10.299, 227.690



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



40, 28.091, 243.974



52, 34.524, 245.631



20, 64.592, 298.696



27, 2.400, 225.711



38, 27.492, 244.320



0, 0.587, 225.178

Inverse Universe

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



30, 59.651, 340.629



39, 72.412, 341.161



44, 51.696, 82.730



26, 4.434, 332.798



28, 58.297, 340.744



0, 1.055, 332.258

Previews

White Background



This preview shows how the CIE LCh color 40, 28.092, 243.973 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, 28.092, 243.973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

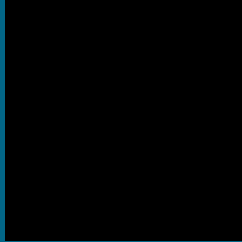
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 28.092, 243.973

Background



This preview shows how black text looks on a background with the CIELCh color 40, 28.092, 243.973.

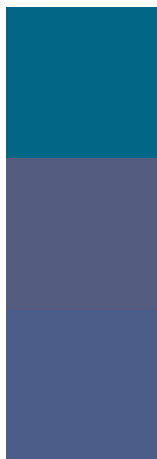


This preview shows how white text looks on a background with the CIELCh color 40, 28.092, 243.973.

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, 28.092, 243.973

Protanopia

40, 21.461, 284.936

Deuteranopia

40, 27.095, 283.065



Tritanopia
40, 25.218, 207.930

Trichromacy



Original Color
40, 28.092, 243.973

Protanomaly
39, 24.230, 261.548

Deuteranomaly
39, 27.061, 264.315

Tritanomaly
40, 25.147, 221.612

Monochromacy



Original Color
40, 28.092, 243.973

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, 28.092, 243.973 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, 135)` looks like.

```
.text, #text, p{  
    color:rgb(2, 102, 135)  
}
```

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, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 102, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 28.092, 243.973 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, 135) }
```

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

```
.border{ border-color:rgb(2, 102, 135) }
```

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, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 102, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 102, 135);  
box-shadow:4px 4px 4px 4px rgb(2, 102,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 28.092, 243.973 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, 135) }
```

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

```
.background{ background-color: rgb(2, 102,  
135) }
```

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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