

Converting Colors

CIELCh(37, 43.733, 233.148)

Have a look what the booklet for
CIELCh(37, 43.733, 233.148)
contains.

CIELCh(40, 31.241, 253.801)	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, 31.241, 253.801)

Conversions

Conversions Part 1

Format	Color
Hex	00658F
RGB	0, 101, 143
RGB Percent	0%, 40%, 56%
CMY	1.0000, 0.6045, 0.4399
CMYK	1.00, 0.29, 0.00, 0.44
HSL	198°, 100%, 28%
HSV	198°, 100%, 56%
XYZ	9.5767, 11.2510, 27.5855
YIQ	75.5890, -73.6780, -8.3500

Conversions

Conversions Part 2

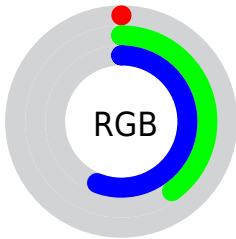
Format	Color
R _Y B	0, 59, 143
Decimal	25999
CIE Lab	40.00, -8.72, -30.00
CIE LCh	40, 31.241, 253.801
Yxy	11.2510, 0.1978, 0.2324
Android (android.graphics.Color)	4278216079 (0xFF00658F)
YUV	75.5890, 33.2336, -66.2916
Hunter-Lab	33.5425, -7.7359, -25.2807

Details

The CIELCh color **40, 31.241, 253.801** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **33, 61.031, 47.744**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 31.143, 253.669**, and **22, 27.179, 270.310** is the 20% darker color. If you saturate the color by 10%, you get **40, 31.224, 253.845**, and if you desaturate by 10%, it is **42, 29.513, 249.402**.

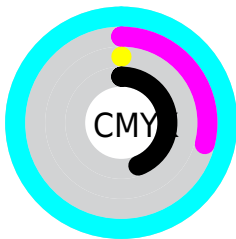
Distribution



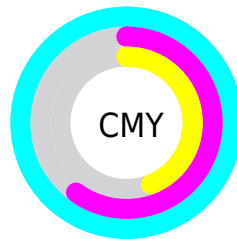
- Red (0%)
- Green (40%)
- Blue (56%)



- Red (0%)
- Yellow (23%)
- Blue (56%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (44%)





- Cyan (100%)
- Magenta (60%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 31.241, 253.801 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, 31.241, 253.801 by changing the saturation by 10% instead.


 40, 31.241,
253.801


 40, 31.241,
253.801


 100, 31.241,
253.801


 30, 31.241,
253.801

 60, 31.241,
253.801


 20, 31.241,
253.801


 70, 31.241,
253.801

 10, 31.241,
253.801

 80, 31.241,
253.801

 0, 31.241, 253.801

 90, 31.241,
253.801

 40, 31.241,

 40, 31.241,

253.801

■ 40, 31.224,
253.845

253.801

■ 42, 29.513,
249.402

■ 43, 27.661,
245.326

■ 45, 25.471,
241.904

■ 47, 22.885,
239.096

■ 49, 19.889,
236.830

■ 51, 16.506,
235.019

■ 53, 12.775,
233.586

■ 55, 8.747, 232.460

Harmonies

Complementary

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



40, 31.241, 253.801



33, 61.031, 47.744

Rectangle

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



40, 31.241, 253.801



40, 31.241, 303.801



40, 31.241, 73.801



40, 31.241, 123.801

Sweetspot

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



40, 31.224, 253.845



67, 15.828, 233.667



52, 68.978, 141.081



34, 10.760, 234.178



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



40, 31.224, 253.845



52, 38.303, 255.013



20, 73.219, 301.291



29, 2.529, 231.548



38, 29.931, 253.565



1, 1.740, 230.824

Inverse Universe

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



31, 60.418, 344.009



41, 73.143, 344.454



49, 55.206, 86.799



28, 4.564, 334.612



29, 58.095, 343.904



1, 3.061, 334.041

Previews

White Background



This preview shows how the CIELCh color 40, 31.241, 253.801 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, 31.241, 253.801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

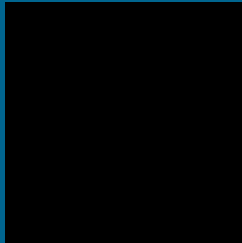
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 31.241, 253.801

Background



This preview shows how black text looks on a background with the CIELCh color 40, 31.241, 253.801.

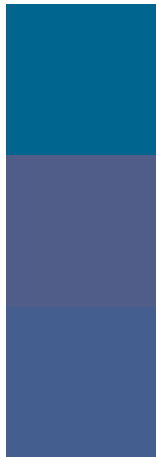


This preview shows how white text looks on a background with the CIELCh color 40, 31.241, 253.801.

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, 31.241, 253.801

Protanopia

40, 26.374, 284.659

Deuteranopia

40, 30.986, 280.446



Tritanopia
40, 25.218, 207.930

Trichromacy



Original Color
40, 31.241, 253.801

Protanomaly
39, 27.971, 266.369

Deuteranomaly
39, 31.543, 268.339

Tritanomaly
40, 25.527, 227.631

Monochromacy



Original Color
40, 31.241, 253.801

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 15.502, 238.904

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 31.241, 253.801 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, 101, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 101, 143)  
}
```

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, 101, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 101, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 31.241, 253.801 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, 101, 143) }
```

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

```
.border{ border-color:rgb(0, 101, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 101, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 101, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 101, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 101,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 31.241, 253.801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 101, 143) }
```

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

```
.background{ background-color: rgb(0, 101,  
143) }
```

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