

Converting Colors

CIELCh(41, 29.158, 245.163)

Have a look what the booklet for
CIELCh(41, 29.158, 245.163)
contains.

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Color

CIELCh(41, 29.333, 246.550)

Conversions

Conversions Part 1

Format	Color
Hex	01688C
RGB	1, 104, 140
RGB Percent	0%, 41%, 55%
CMY	0.9965, 0.5911, 0.4498
CMYK	0.99, 0.26, 0.00, 0.45
HSL	196°, 99%, 28%
HSV	196°, 99%, 55%
XYZ	9.7447, 11.8645, 26.7017
YIQ	77.3070, -72.9440, -10.6400

Conversions

Conversions Part 2

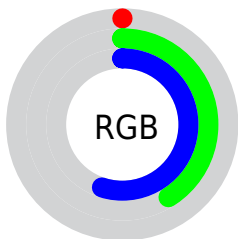
Format	Color
RYB	1, 60, 140
Decimal	92300
CIELab	41.00, -11.67, -26.91
CIELCh	41, 29.333, 246.550
Yxy	11.8645, 0.2017, 0.2456
Android (android.graphics.Color)	4278282380 (0xFF01688C)
YUV	77.3070, 30.9076, -66.9212
Hunter-Lab	34.4449, -9.7798, -21.8502

Details

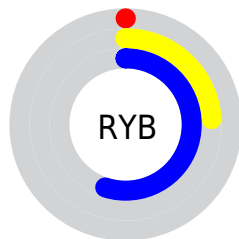
The CIELCh color **41, 29.333, 246.550** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **32, 60.799, 46.014**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 29.460, 246.898**, and **23, 24.582, 263.416** is the 20% darker color. If you saturate the color by 10%, you get **41, 29.419, 246.805**, and if you desaturate by 10%, it is **42, 28.025, 242.430**.

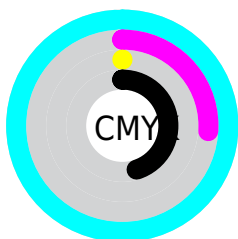
Distribution



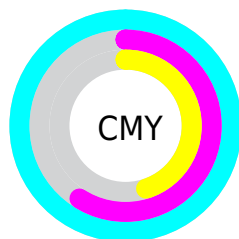
- Red (0%)
- Green (41%)
- Blue (55%)



- Red (0%)
- Yellow (24%)
- Blue (55%)



- Cyan (99%)
- Magenta (26%)
- Yellow (0%)
- Black (45%)





- Cyan (100%)
- Magenta (59%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 29.333, 246.550 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 41, 29.333, 246.550 by changing the saturation by 10% instead.


 41, 29.333,
246.550


 41, 29.333,
246.550


 100, 29.333,
246.550


 31, 29.333,
246.550

 61, 29.333,
246.550


 21, 29.333,
246.550

 71, 29.333,
246.550

 11, 29.333,
246.550


 81, 29.333,
246.550

 1, 29.333, 246.550

 91, 29.333,
246.550

 0, 29.333, 246.550

 41, 29.333,

 41, 29.333,

246.550

246.550

■ 41, 29.419,
246.805

■ 42, 28.025,
242.430

■ 44, 26.491,
238.755

■ 45, 24.546,
235.723

■ 47, 22.147,
233.275

■ 49, 19.294,
231.327

■ 50, 16.017,
229.797

■ 52, 12.365,
228.608

■ 54, 8.393, 227.698

Harmonies

Complementary

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



41, 29.333, 246.550



32, 60.799, 46.014

Rectangle

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



41, 29.333, 246.550



41, 29.333, 296.550



41, 29.333, 66.550



41, 29.333, 116.550

Sweetspot

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



41, 29.332, 246.551



67, 15.669, 228.745



51, 69.283, 140.265



34, 10.522, 229.163



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



41, 29.332, 246.551



53, 36.089, 247.941



21, 68.746, 299.752



29, 2.545, 227.028



39, 28.603, 246.625



1, 1.754, 226.446

Inverse Universe

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



31, 60.994, 341.456



41, 74.154, 341.918



47, 53.663, 84.012



28, 4.682, 333.204



30, 59.477, 341.483



1, 3.141, 332.652

Previews

White Background



This preview shows how the CIE LCh color 41, 29.333, 246.550 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 CIE LCh color 41, 29.333, 246.550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

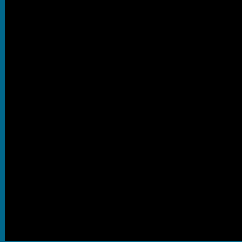
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 29.333, 246.550

Background



This preview shows how black text looks on a background with the CIELCh color 41, 29.333, 246.550.

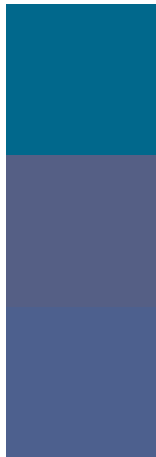


This preview shows how white text looks on a background with the CIELCh color 41, 29.333, 246.550.

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

41, 29.295, 246.637

Protanopia

41, 23.207, 285.055

Deuteranopia

41, 28.271, 281.832



Tritanopia
41, 25.516, 209.195

Trichromacy



Original Color
41, 29.295, 246.637

Protanomaly
40, 25.851, 263.167

Deuteranomaly
40, 28.335, 264.010

Tritanomaly
41, 25.718, 224.022

Monochromacy



Original Color
41, 29.295, 246.637

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 15.104, 230.779

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 29.333, 246.550 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, 104, 140)` looks like.

```
.text, #text, p{  
    color:rgb(1, 104, 140)  
}
```

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, 104, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 104, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 29.333, 246.550 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, 104, 140) }
```

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

```
.border{ border-color:rgb(1, 104, 140) }
```

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

Here you see how a box with a 4 pixel rgb(1, 104, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 104, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 104, 140);  
box-shadow:4px 4px 4px 4px rgb(1, 104,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 29.333, 246.550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 104, 140) }
```

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

```
.background{ background-color: rgb(1, 104,  
140) }
```

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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