

Converting Colors

CIELCh(41, 31.137, 251.816)

Have a look what the booklet for
CIELCh(41, 31.137, 251.816)
contains.

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Color

CIELCh(41, 31.092, 251.781)

Conversions

Conversions Part 1

Format	Color
Hex	006891
RGB	0, 104, 145
RGB Percent	0%, 41%, 57%
CMY	1.0000, 0.5934, 0.4327
CMYK	1.00, 0.28, 0.00, 0.43
HSL	197°, 100%, 28%
HSV	197°, 100%, 57%
XYZ	9.9906, 11.8645, 28.4156
YIQ	77.5780, -75.1450, -9.2970

Conversions

Conversions Part 2

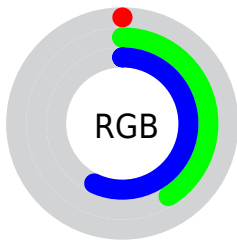
Format	Color
RYB	0, 61, 145
Decimal	26769
CIELab	41.00, -9.72, -29.53
CIELCh	41, 31.092, 251.781
Yxy	11.8645, 0.1987, 0.2360
Android (android.graphics.Color)	4278216849 (0xFF006891)
YUV	77.5780, 33.2390, -68.0359
Hunter-Lab	34.4449, -8.5055, -24.8002

Details

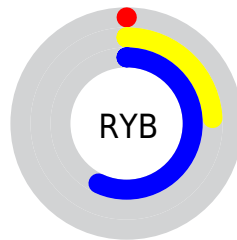
The CIELCh color **41, 31.092, 251.781** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **33, 61.982, 47.201**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 31.112, 251.645**, and **23, 26.675, 267.763** is the 20% darker color. If you saturate the color by 10%, you get **41, 31.058, 251.867**, and if you desaturate by 10%, it is **42, 29.458, 247.480**.

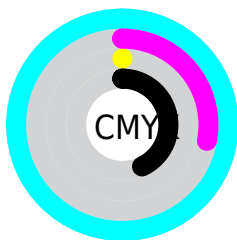
Distribution



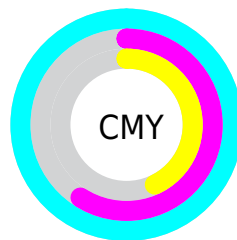
- Red (0%)
- Green (41%)
- Blue (57%)



- Red (0%)
- Yellow (24%)
- Blue (57%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (43%)





- Cyan (100%)
- Magenta (59%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 31.092, 251.781 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, 31.092, 251.781 by changing the saturation by 10% instead.


 41, 31.092,
251.781


 41, 31.092,
251.781


 100, 31.092,
251.781


 31, 31.092,
251.781

 61, 31.092,
251.781


 21, 31.092,
251.781

 71, 31.092,
251.781


 11, 31.092,
251.781


 81, 31.092,
251.781

 1, 31.092, 251.781

 91, 31.092,
251.781

 0, 31.092, 251.781

 41, 31.092,

 41, 31.092,

251.781

■ 41, 31.058,
251.867

251.781

■ 42, 29.458,
247.480

■ 44, 27.695,
243.485

■ 46, 25.567,
240.146

■ 47, 23.018,
237.419

■ 49, 20.039,
235.227

■ 51, 16.653,
233.485

■ 53, 12.903,
232.112

■ 56, 8.842, 231.042

Harmonies

Complementary

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



41, 31.092, 251.781



33, 61.982, 47.201

Rectangle

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



41, 31.092, 251.781



41, 31.092, 301.781



41, 31.092, 71.781



41, 31.092, 121.781

Sweetspot

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



41, 31.058, 251.867



68, 15.995, 232.189



52, 70.441, 140.576



34, 10.751, 232.672



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



41, 31.058, 251.867



53, 38.095, 253.010



21, 72.489, 300.686



29, 2.532, 230.183



38, 29.489, 251.529



1, 1.743, 229.501

Inverse Universe

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



32, 61.394, 343.281



42, 74.393, 343.698



49, 55.358, 85.326



28, 4.600, 334.181



29, 58.498, 343.160



1, 3.085, 333.616

Previews

White Background



This preview shows how the CIE LCh color 41, 31.092, 251.781 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 41, 31.092, 251.781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

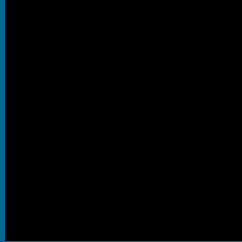
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 31.092, 251.781

Background



This preview shows how black text looks on a background with the CIELCh color 41, 31.092, 251.781.

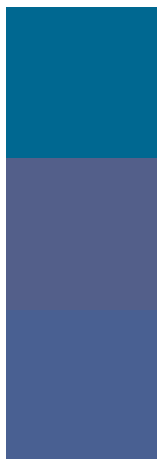


This preview shows how white text looks on a background with the CIELCh color 41, 31.092, 251.781.

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, 31.092, 251.781

Protanopia

41, 26.245, 285.230

Deuteranopia

41, 30.786, 281.270



Tritanopia
41, 25.563, 207.733

Trichromacy



Original Color
41, 31.092, 251.781

Protanomaly
40, 27.923, 266.103

Deuteranomaly
41, 31.037, 266.850

Tritanomaly
41, 25.838, 225.455

Monochromacy



Original Color
41, 31.092, 251.781

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 15.624, 235.211

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 31.092, 251.781 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, 104, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 145)  
}
```

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, 104, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 31.092, 251.781 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, 104, 145) }
```

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

```
.border{ border-color:rgb(0, 104, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 104, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 104,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 31.092, 251.781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 104, 145) }
```

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

```
.background{ background-color: rgb(0, 104,  
145) }
```

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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