

Converting Colors

CIELCh(40, 31.998, 220.061)

Have a look what the booklet for
CIELCh(40, 31.998, 220.061)
contains.

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Color

CIELCh(41, 25.972, 226.873)

Conversions

Conversions Part 1

Format	Color
Hex	006A7F
RGB	0, 106, 127
RGB Percent	0%, 42%, 50%
CMY	0.9989, 0.5839, 0.5016
CMYK	1.00, 0.17, 0.00, 0.50
HSL	190°, 100%, 25%
HSV	190°, 100%, 50%
XYZ	9.0045, 11.8645, 21.9281
YIQ	76.7000, -69.9170, -15.9410

Conversions

Conversions Part 2

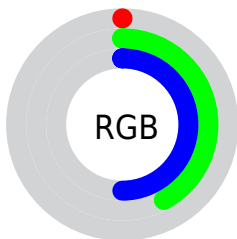
Format	Color
RYB	0, 58, 127
Decimal	27263
CIELab	41.00, -17.75, -18.96
CIELCh	41, 25.972, 226.873
Yxy	11.8645, 0.2104, 0.2772
Android (android.graphics.Color)	4278217343 (0xFF006A7F)
YUV	76.7000, 24.7979, -67.2659
Hunter-Lab	34.4449, -13.6156, -13.6333

Details

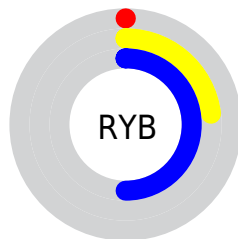
The CIELCh color **41, 25.972, 226.873** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **27, 58.313, 42.153**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 26.077, 227.771**, and **22, 19.079, 242.856** is the 20% darker color. If you saturate the color by 10%, you get **41, 25.986, 226.929**, and if you desaturate by 10%, it is **42, 25.323, 224.263**.

Distribution



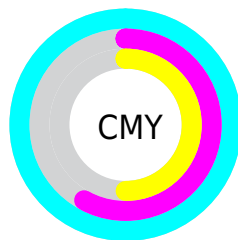
- Red (0%)
- Green (42%)
- Blue (50%)



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



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (50%)





- Cyan (100%)
- Magenta (58%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 25.972, 226.873 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, 25.972, 226.873 by changing the saturation by 10% instead.


 41, 25.972,
226.873


 41, 25.972,
226.873


 100, 25.972,
226.873


 31, 25.972,
226.873

 61, 25.972,
226.873


 21, 25.972,
226.873

 71, 25.972,
226.873

 11, 25.972,
226.873


 81, 25.972,
226.873

 1, 25.972, 226.873

 91, 25.972,
226.873

 0, 25.972, 226.873

 41, 25.972,

 41, 25.972,

226.873

■ 41, 25.986,
226.929

226.873

■ 42, 25.323,
224.263

■ 43, 24.364,
221.974

■ 44, 22.891,
220.154

■ 45, 20.885,
218.741

■ 46, 18.366,
217.669

■ 47, 15.376,
216.881

■ 49, 11.973,
216.325

■ 50, 8.219, 215.960

Harmonies

Complementary

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



41, 25.972, 226.873



27, 58.313, 42.153

Rectangle

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



41, 25.972, 226.873



41, 25.972, 276.873



41, 25.972, 46.873



41, 25.972, 96.873

Sweetspot

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



41, 25.971, 226.873



62, 14.935, 216.368



46, 67.928, 138.109



32, 10.133, 216.548



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



41, 25.971, 226.873



53, 31.537, 227.758



22, 54.813, 294.340



26, 2.417, 215.770



41, 26.045, 226.940



0, 0.000, 0.000

Inverse Universe

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



28, 60.813, 335.828



38, 73.638, 336.059



39, 49.165, 75.132



25, 4.550, 329.854



28, 60.986, 335.847



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 41, 25.972, 226.873 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, 25.972, 226.873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

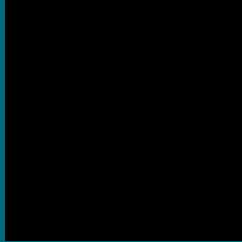
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 25.972, 226.873

Background



This preview shows how black text looks on a background with the CIELCh color 41, 25.972, 226.873.



This preview shows how white text looks on a background with the CIELCh color 41, 25.972, 226.873.

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





Tritanopia
41, 25.516, 209.195

Trichromacy



Original Color
41, 25.972, 226.873

Protanomaly
40, 19.012, 246.179

Deuteranomaly
40, 22.011, 255.247

Tritanomaly
41, 25.479, 215.073

Monochromacy



Original Color
41, 25.972, 226.873

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 14.375, 215.562

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 25.972, 226.873 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, 106, 127)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 127)  
}
```

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, 106, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 25.972, 226.873 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, 106, 127) }
```

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

```
.border{ border-color:rgb(0, 106, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 106, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 106, 127);  
box-shadow:4px 4px 4px 4px rgb(0, 106,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 25.972, 226.873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 106, 127) }
```

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

```
.background{ background-color: rgb(0, 106,  
127) }
```

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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