

Converting Colors

CIELCh(41, 26.058, 225.520)

Have a look what the booklet for
CIELCh(41, 26.058, 225.520)
contains.

CIELCh(41, 25.838, 225.455)	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(41, 25.838, 225.455)

Conversions

Conversions Part 1

Format	Color
Hex	016A7E
RGB	1, 106, 126
RGB Percent	0%, 42%, 49%
CMY	0.9978, 0.5835, 0.5051
CMYK	1.00, 0.16, 0.00, 0.51
HSL	190°, 99%, 25%
HSV	190°, 100%, 49%
XYZ	8.9608, 11.8645, 21.6261
YIQ	76.8850, -69.0000, -16.0400

Conversions

Conversions Part 2

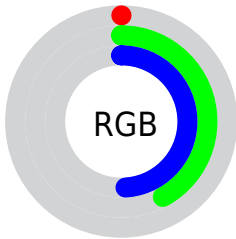
Format	Color
R_{YB}	1, 58, 126
Decimal	92798
CIE _{Lab}	41.00, -18.12, -18.41
CIE _{LCh}	41, 25.838, 225.455
Yxy	11.8645, 0.2111, 0.2795
Android (android.graphics.Color)	4278282878 (0xFF016A7E)
YUV	76.8850, 24.2137, -66.5511
Hunter-Lab	34.4449, -13.8423, -13.1135

Details

The CIELCh color **41, 25.838, 225.455** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **27, 57.973, 41.887**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 25.763, 225.215**, and **22, 18.762, 240.885** is the 20% darker color. If you saturate the color by 10%, you get **41, 25.867, 225.565**, and if you desaturate by 10%, it is **42, 25.210, 222.968**.

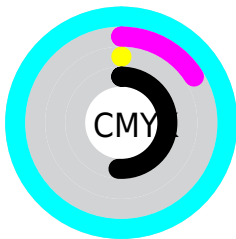
Distribution



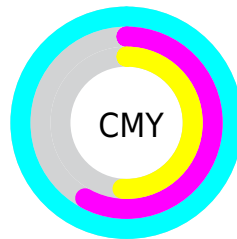
- Red (0%)
- Green (42%)
- Blue (49%)



- Red (0%)
- Yellow (23%)
- Blue (49%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (51%)





- Cyan (100%)
- Magenta (58%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 25.838, 225.455 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, 25.838, 225.455 by changing the saturation by 10% instead.


 41, 25.838,
225.455


 41, 25.838,
225.455


 100, 25.838,
225.455


 31, 25.838,
225.455

 61, 25.838,
225.455


 21, 25.838,
225.455

 71, 25.838,
225.455

 11, 25.838,
225.455


 81, 25.838,
225.455

 1, 25.838, 225.455

 91, 25.838,
225.455

 0, 25.838, 225.455

 41, 25.838,

 41, 25.838,

225.455

■ 41, 25.867,
225.565

225.455

■ 42, 25.210,
222.968

■ 43, 24.258,
220.800

■ 44, 22.787,
219.081

■ 45, 20.782,
217.751

■ 46, 18.262,
216.749

■ 47, 15.272,
216.018

■ 48, 11.868,
215.511

■ 50, 8.114, 215.188

Harmonies

Complementary

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



41, 25.838, 225.455



27, 57.973, 41.887

Rectangle

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



41, 25.838, 225.455



41, 25.838, 275.455



41, 25.838, 45.455



41, 25.838, 95.455

Sweetspot

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



41, 25.837, 225.455



62, 14.807, 215.559



46, 67.491, 138.142



31, 9.921, 215.719



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



41, 25.837, 225.455



53, 31.184, 226.341



21, 54.354, 294.241



26, 2.427, 215.037



41, 26.057, 225.599



0, 0.000, 0.000

Inverse Universe

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



28, 60.756, 335.462



37, 73.165, 335.693



39, 48.831, 75.194



25, 4.570, 329.640



28, 61.275, 335.503



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 41, 25.838, 225.455 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, 25.838, 225.455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

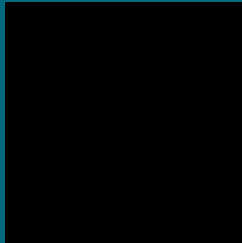
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 25.838, 225.455

Background



This preview shows how black text looks on a background with the CIELCh color 41, 25.838, 225.455.

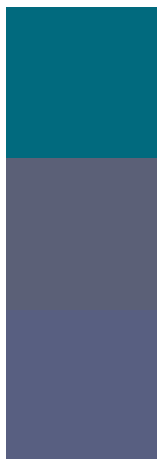


This preview shows how white text looks on a background with the CIELCh color 41, 25.838, 225.455.

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, 25.783, 225.526

Protanopia

41, 14.037, 284.597

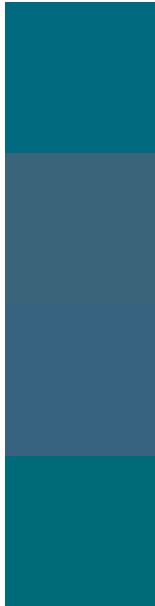
Deuteranopia

41, 20.718, 286.357



Tritanopia
41, 25.516, 209.195

Trichromacy



Original Color
41, 25.783, 225.526

Protanomaly
40, 18.649, 244.605

Deuteranomaly
40, 21.579, 254.031

Tritanomaly
41, 25.479, 215.073

Monochromacy



Original Color
41, 25.783, 225.526

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, 25.838, 225.455 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, 106, 126)` looks like.

```
.text, #text, p{  
    color:rgb(1, 106, 126)  
}
```

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, 106, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 106, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 25.838, 225.455 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, 106, 126) }
```

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

```
.border{ border-color:rgb(1, 106, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 106, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 106, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 106, 126);  
box-shadow:4px 4px 4px 4px rgb(1, 106,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 25.838, 225.455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 106, 126) }
```

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

```
.background{ background-color: rgb(1, 106,  
126) }
```

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