

Converting Colors

CIELCh(41, 26.833, 196.428)

Have a look what the booklet for
CIELCh(41, 26.833, 196.428)
contains.

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Color

CIELCh(41, 26.625, 196.386)

Conversions

Conversions Part 1

Format	Color
Hex	016C6C
RGB	1, 108, 108
RGB Percent	0%, 42%, 42%
CMY	0.9977, 0.5756, 0.5756
CMYK	0.99, 0.00, 0.00, 0.58
HSL	180°, 99%, 21%
HSV	180°, 99%, 42%
XYZ	8.1126, 11.8645, 16.1126
YIQ	76.0070, -63.7720, -22.6840

Conversions

Conversions Part 2

Format	Color
R_YB	1, 55, 108
Decimal	93292
CIE _{Lab}	41.00, -25.54, -7.51
CIE _{LCh}	41, 26.625, 196.386
Yxy	11.8645, 0.2248, 0.3288
Android (android.graphics.Color)	4278283372 (0xFF016C6C)
YUV	76.0070, 15.7725, -65.7811
Hunter-Lab	34.4449, -18.2375, -3.6232

Details

The CIELCh color **41, 26.625, 196.386** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **21, 52.950, 36.622**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 26.551, 195.878**, and **22, 17.679, 198.637** is the 20% darker color. If you saturate the color by 10%, you get **41, 26.666, 196.380**, and if you desaturate by 10%, it is **41, 25.863, 196.467**.

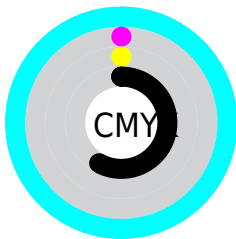
Distribution



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



- Red (0%)
- Yellow (22%)
- Blue (42%)



- Cyan (99%)
- Magenta (0%)
- Yellow (0%)
- Black (58%)




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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 26.625, 196.386 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, 26.625, 196.386 by changing the saturation by 10% instead.


 41, 26.625,
196.386


 41, 26.625,
196.386


 100, 26.625,
196.386


 31, 26.625,
196.386

 61, 26.625,
196.386


 21, 26.625,
196.386

 71, 26.625,
196.386

 11, 26.625,
196.386

 81, 26.625,
196.386

 1, 26.625, 196.386

 91, 26.625,
196.386

 0, 26.625, 196.386

 41, 26.625,

 41, 26.625,

196.386

196.386

■ 41, 26.666,
196.380

■ 41, 25.863,
196.467

■ 41, 24.805,
196.582

■ 42, 23.236,
196.753

■ 42, 21.148,
196.983

■ 42, 18.555,
197.273

■ 43, 15.497,
197.619

■ 43, 12.027,
198.021

■ 44, 8.205, 198.476

Harmonies

Complementary

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



41, 26.625, 196.386



21, 52.950, 36.622

Rectangle

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



41, 26.625, 196.386



41, 26.625, 246.386



41, 26.625, 16.386



41, 26.625, 66.386

Sweetspot

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



41, 26.625, 196.385



55, 15.078, 197.963



39, 63.452, 135.928



28, 10.244, 197.832



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



41, 26.625, 196.385



53, 32.121, 196.380



23, 35.268, 279.697



22, 2.415, 199.031



44, 28.237, 196.380



88, 48.591, 196.380

Inverse Universe

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



21, 52.950, 36.622



28, 66.112, 39.048



29, 44.633, 61.072



21, 2.547, 19.848



23, 56.951, 37.576



51, 101.390, 39.999

Previews

White Background



This preview shows how the CIE LCh color 41, 26.625, 196.386 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, 26.625, 196.386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

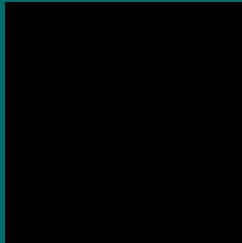
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 26.625, 196.386

Background



This preview shows how black text looks on a background with the CIELCh color 41, 26.625, 196.386.

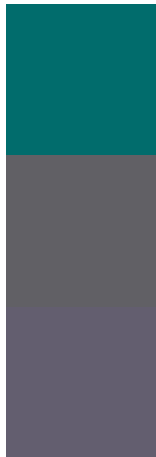


This preview shows how white text looks on a background with the CIELCh color 41, 26.625, 196.386.

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, 26.555, 196.394

Protanopia

41, 3.073, 298.310

Deuteranopia

41, 10.562, 302.478



Tritanopia
41, 24.030, 210.131

Trichromacy



Original Color
41, 26.555, 196.394

Protanomaly
40, 13.941, 207.957

Deuteranomaly
40, 14.153, 226.611

Tritanomaly
41, 24.808, 205.220

Monochromacy



Original Color
41, 26.555, 196.394

Achromatopsia
32, 0.005, 296.813

Achromatomaly
35, 14.439, 197.488

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 26.625, 196.386 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, 108, 108)` looks like.

```
.text, #text, p{  
    color:rgb(1, 108, 108)  
}
```

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, 108, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 108, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 26.625, 196.386 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, 108, 108) }
```

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

```
.border{ border-color:rgb(1, 108, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 108, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 108, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 108, 108);  
box-shadow:4px 4px 4px 4px rgb(1, 108,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 26.625, 196.386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 108, 108) }
```

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

```
.background{ background-color: rgb(1, 108,  
108) }
```

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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