

Converting Colors

CIELCh(42, 26.816, 197.914)

Have a look what the booklet for
CIELCh(42, 26.816, 197.914)
contains.

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Color

CIELCh(42, 26.854, 197.735)

Conversions

Conversions Part 1

Format	Color
Hex	016F70
RGB	1, 111, 112
RGB Percent	0%, 44%, 44%
CMY	0.9942, 0.5655, 0.5616
CMYK	0.99, 0.01, 0.00, 0.56
HSL	181°, 97%, 22%
HSV	181°, 99%, 44%
XYZ	8.5946, 12.5000, 17.2311
YIQ	78.2240, -65.8810, -23.0090

Conversions

Conversions Part 2

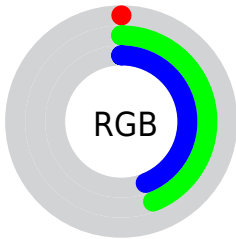
Format	Color
R_{YB}	1, 56, 112
Decimal	94064
CIE _{Lab}	42.00, -25.58, -8.18
CIE _{LCh}	42, 26.854, 197.735
Yxy	12.5000, 0.2243, 0.3262
Android (android.graphics.Color)	4278284144 (0xFF016F70)
YUV	78.2240, 16.6516, -67.7254
Hunter-Lab	35.3553, -18.4799, -4.1473

Details

The CIELCh color **42, 26.854, 197.735** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **22, 54.005, 37.088**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 26.815, 198.342**, and **23, 18.257, 198.549** is the 20% darker color. If you saturate the color by 10%, you get **42, 26.950, 197.737**, and if you desaturate by 10%, it is **42, 26.123, 197.711**.

Distribution



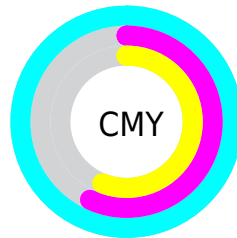
- Red (0%)
- Green (44%)
- Blue (44%)



- Red (0%)
- Yellow (22%)
- Blue (44%)



- Cyan (99%)
- Magenta (1%)
- Yellow (0%)
- Black (56%)





- Cyan (99%)
- Magenta (57%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 26.854, 197.735 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 42, 26.854, 197.735 by changing the saturation by 10% instead.


 42, 26.854,
197.735


 42, 26.854,
197.735


 100, 26.854,
197.735


 32, 26.854,
197.735

 62, 26.854,
197.735


 22, 26.854,
197.735

 72, 26.854,
197.735

 12, 26.854,
197.735

 82, 26.854,
197.735

 2, 26.854, 197.735

 92, 26.854,
197.735

 0, 26.854, 197.735

 42, 26.854,

 42, 26.854,

197.735

197.735

■ 42, 26.950,
197.737

■ 42, 26.123,
197.711

■ 42, 25.041,
197.735

■ 43, 23.431,
197.831

■ 43, 21.286,
198.000

■ 43, 18.625,
198.238

■ 44, 15.490,
198.542

■ 45, 11.935,
198.908

■ 45, 8.025, 199.334

Harmonies

Complementary

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



42, 26.854, 197.735



22, 54.005, 37.088

Rectangle

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



42, 26.854, 197.735



42, 26.854, 247.735



42, 26.854, 17.735



42, 26.854, 67.735

Sweetspot

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



42, 26.854, 197.734



57, 15.371, 198.825



41, 64.816, 136.112



29, 10.439, 198.703



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



42, 26.854, 197.734



54, 32.549, 197.773



24, 37.103, 281.334



23, 2.488, 199.819



45, 28.318, 197.747



88, 48.329, 197.826

Inverse Universe

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



26, 62.176, 328.559



34, 75.494, 328.589



30, 45.256, 62.498



22, 4.555, 325.128



28, 65.674, 328.582



58, 112.117, 328.602

Previews

White Background



This preview shows how the CIE LCh color 42, 26.854, 197.735 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 42, 26.854, 197.735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

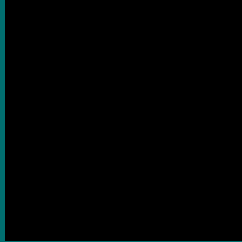
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 26.854, 197.735

Background



This preview shows how black text looks on a background with the CIELCh color 42, 26.854, 197.735.

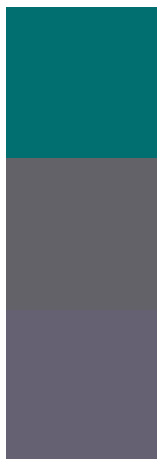


This preview shows how white text looks on a background with the CIELCh color 42, 26.854, 197.735.

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

42, 26.922, 197.724

Protanopia

42, 3.662, 297.104

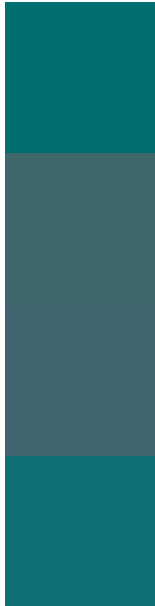
Deuteranopia

42, 11.034, 299.905



Tritanopia
42, 24.693, 209.679

Trichromacy



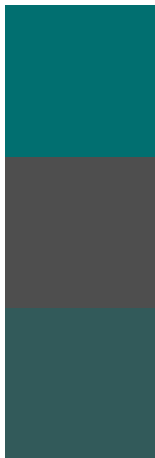
Original Color
42, 26.922, 197.724

Protanomaly
41, 14.232, 207.692

Deuteranomaly
41, 14.614, 228.229

Tritanomaly
42, 25.361, 204.982

Monochromacy



Original Color
42, 26.922, 197.724

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 14.734, 197.479

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 26.854, 197.735 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, 111, 112)` looks like.

```
.text, #text, p{  
    color:rgb(1, 111, 112)  
}
```

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, 111, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 111, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 26.854, 197.735 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, 111, 112) }
```

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

```
.border{ border-color:rgb(1, 111, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 111, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 111, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 111, 112);  
box-shadow:4px 4px 4px 4px rgb(1, 111,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 26.854, 197.735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 111, 112) }
```

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

```
.background{ background-color: rgb(1, 111,  
112) }
```

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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