

Converting Colors

CIELCh(42, 26.692, 198.894)

Have a look what the booklet for
CIELCh(42, 26.692, 198.894)
contains.

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Color

CIELCh(42, 26.710, 199.084)

Conversions

Conversions Part 1

Format	Color
Hex	016F71
RGB	1, 111, 113
RGB Percent	0%, 44%, 44%
CMY	0.9951, 0.5658, 0.5580
CMYK	0.99, 0.02, 0.00, 0.56
HSL	181°, 98%, 22%
HSV	181°, 99%, 44%
XYZ	8.6332, 12.5000, 17.4966
YIQ	78.3380, -66.2020, -22.6980

Conversions

Conversions Part 2

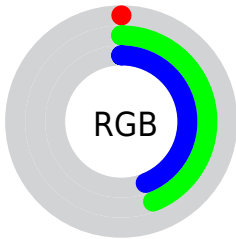
Format	Color
R_{YB}	1, 56, 113
Decimal	94065
CIE Lab	42.00, -25.24, -8.73
CIE LCh	42, 26.710, 199.084
Yxy	12.5000, 0.2235, 0.3236
Android (android.graphics.Color)	4278284145 (0xFF016F71)
YUV	78.3380, 17.0884, -67.8254
Hunter-Lab	35.3553, -18.2848, -4.5926

Details

The CIELCh color **42, 26.710, 199.084** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **22, 54.345, 37.416**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 26.721, 199.580**, and **23, 18.110, 200.749** is the 20% darker color. If you saturate the color by 10%, you get **42, 26.787, 199.097**, and if you desaturate by 10%, it is **42, 26.010, 198.953**.

Distribution



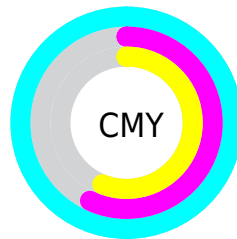
- Red (0%)
- Green (44%)
- Blue (44%)



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



- Cyan (99%)
- Magenta (2%)
- Yellow (0%)
- Black (56%)





- Cyan (100%)
- Magenta (57%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 26.710, 199.084 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, 26.710, 199.084 by changing the saturation by 10% instead.


 42, 26.710,
199.084


 42, 26.710,
199.084


 100, 26.710,
199.084


 32, 26.710,
199.084

 62, 26.710,
199.084


 22, 26.710,
199.084

 72, 26.710,
199.084

 12, 26.710,
199.084

 82, 26.710,
199.084

 2, 26.710, 199.084

 92, 26.710,
199.084

 0, 26.710, 199.084

 42, 26.710,

 42, 26.710,

199.084

199.084

■ 42, 26.787,
199.097

■ 42, 26.010,
198.953

■ 42, 24.963,
198.879

■ 43, 23.385,
198.893

■ 43, 21.268,
198.992

■ 44, 18.633,
199.172

■ 44, 15.520,
199.427

■ 45, 11.987,
199.751

■ 46, 8.095, 200.141

Harmonies

Complementary

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



42, 26.710, 199.084



22, 54.345, 37.416

Rectangle

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



42, 26.710, 199.084



42, 26.710, 249.084



42, 26.710, 19.084



42, 26.710, 69.084

Sweetspot

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



42, 26.710, 199.083



57, 15.230, 199.685



41, 64.884, 136.334



29, 10.343, 199.576



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, 26.710, 199.083



54, 32.156, 199.168



23, 38.655, 283.112



23, 2.465, 200.607



45, 27.982, 199.115



87, 47.725, 199.276

Inverse Universe

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



26, 62.180, 328.906



34, 74.980, 328.944



31, 45.444, 63.857



22, 4.528, 325.368



28, 65.235, 328.931



58, 111.326, 328.972

Previews

White Background



This preview shows how the CIELCh color 42, 26.710, 199.084 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, 26.710, 199.084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

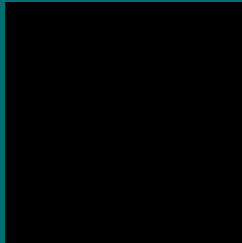
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 26.710, 199.084

Background



This preview shows how black text looks on a background with the CIELCh color 42, 26.710, 199.084.



This preview shows how white text looks on a background with the CIELCh color 42, 26.710, 199.084.

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, 26.777, 199.070

Protanopia

42, 4.263, 296.267

Deuteranopia

42, 11.582, 297.625



Tritanopia
42, 24.787, 209.621

Trichromacy



Original Color
42, 26.777, 199.070

Protanomaly
41, 14.551, 209.920

Deuteranomaly
41, 15.091, 229.877

Tritanomaly
42, 25.366, 206.401

Monochromacy



Original Color
42, 26.777, 199.070

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 14.645, 199.964

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 26.710, 199.084 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, 113)` looks like.

```
.text, #text, p{  
    color:rgb(1, 111, 113)  
}
```

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, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 111, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 26.710, 199.084 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, 113) }
```

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

```
.border{ border-color:rgb(1, 111, 113) }
```

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, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 111, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 111, 113);  
box-shadow:4px 4px 4px 4px rgb(1, 111,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 26.710, 199.084 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, 113) }
```

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

```
.background{ background-color: rgb(1, 111,  
113) }
```

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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