

Converting Colors

CIELCh(42, 33.262, 180.990)

Have a look what the booklet for
CIELCh(42, 33.262, 180.990)
contains.

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Color

CIELCh(42, 30.850, 179.945)

Conversions

Conversions Part 1

Format	Color
Hex	007062
RGB	0, 112, 98
RGB Percent	0%, 44%, 38%
CMY	1.0000, 0.5601, 0.6149
CMYK	1.00, 0.00, 0.12, 0.56
HSL	173°, 100%, 22%
HSV	173°, 100%, 44%
XYZ	8.0030, 12.5000, 13.5983
YIQ	76.9160, -62.2580, -28.0980

Conversions

Conversions Part 2

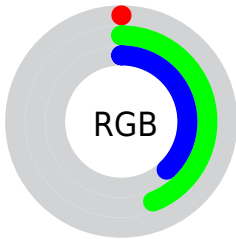
Format	Color
RYB	0, 60, 112
Decimal	28770
CIELab	42.00, -30.85, 0.03
CIELCh	42, 30.850, 179.945
Yxy	12.5000, 0.2347, 0.3666
Android (android.graphics.Color)	4278218850 (0xFF007062)
YUV	76.9160, 10.3944, -67.4553
Hunter-Lab	35.3553, -21.4667, 1.9448

Details

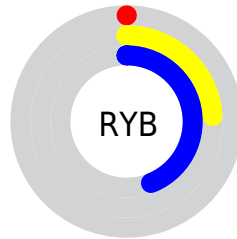
The CIELCh color **42, 30.850, 179.945** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **22, 51.822, 31.815**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 30.390, 180.580**, and **23, 21.566, 175.810** is the 20% darker color. If you saturate the color by 10%, you get **42, 30.708, 179.885**, and if you desaturate by 10%, it is **42, 29.498, 181.056**.

Distribution



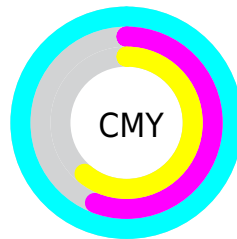
- Red (0%)
- Green (44%)
- Blue (38%)



- Red (0%)
- Yellow (24%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (56%)





- Cyan (100%)
- Magenta (56%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 30.850, 179.945 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, 30.850, 179.945 by changing the saturation by 10% instead.


 42, 30.850,
179.945


 42, 30.850,
179.945


 100, 30.850,
179.945


 32, 30.850,
179.945

 62, 30.850,
179.945


 22, 30.850,
179.945

 72, 30.850,
179.945

 12, 30.850,
179.945

 82, 30.850,
179.945

 2, 30.850, 179.945

 92, 30.850,
179.945

 0, 30.850, 179.945

 42, 30.850,

 42, 30.850,

179.945

179.945

■ 42, 30.708,
179.885

■ 42, 29.498,
181.056

■ 42, 28.002,
182.202

■ 43, 25.988,
183.253

■ 43, 23.454,
184.227

■ 43, 20.429,
185.141

■ 44, 16.962,
186.009

■ 45, 13.116,
186.845

■ 45, 8.962, 187.660

Harmonies

Complementary

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



42, 30.850, 179.945



22, 51.822, 31.815

Rectangle

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



42, 30.850, 179.945



42, 30.850, 229.945



42, 30.850, 359.945



42, 30.850, 49.945

Sweetspot

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



42, 30.708, 179.885



57, 16.185, 186.781



41, 64.453, 134.970



29, 11.023, 186.510



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, 30.708, 179.885



54, 37.146, 179.507



29, 29.195, 264.951



23, 2.573, 188.564



45, 32.225, 179.781



88, 55.481, 178.950

Inverse Universe

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



22, 51.822, 31.815



30, 63.570, 33.520



27, 48.242, 52.078



22, 2.682, 9.825



24, 54.653, 32.399



52, 96.402, 35.395

Previews

White Background



This preview shows how the CIELCh color 42, 30.850, 179.945 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, 30.850, 179.945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

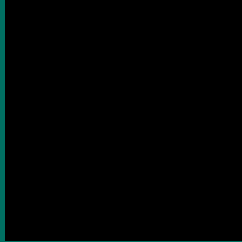
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 30.850, 179.945

Background



This preview shows how black text looks on a background with the CIELCh color 42, 30.850, 179.945.



This preview shows how white text looks on a background with the CIELCh color 42, 30.850, 179.945.

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, 30.690, 179.829

Protanopia

42, 5.102, 89.738

Deuteranopia

42, 5.860, 342.014



Tritanopia
42, 23.202, 210.677

Trichromacy



Original Color
42, 30.690, 179.829

Protanomaly
41, 16.047, 175.159

Deuteranomaly
41, 12.882, 195.126

Tritanomaly
42, 25.367, 197.952

Monochromacy



Original Color
42, 30.690, 179.829

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 15.842, 185.865

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 30.850, 179.945 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, 112, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 98)  
}
```

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, 112, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 30.850, 179.945 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, 112, 98) }
```

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

```
.border{ border-color:rgb(0, 112, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 112, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 112, 98)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 30.850, 179.945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 98) }
```

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

```
.background{ background-color: rgb(0, 112,  
98) }
```

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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