

Converting Colors

CIELCh(44, 36.562, 176.017)

Have a look what the booklet for
CIELCh(44, 36.562, 176.017)
contains.

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Color

CIELCh(44, 33.726, 174.901)

Conversions

Conversions Part 1

Format	Color
Hex	007662
RGB	0, 118, 98
RGB Percent	0%, 46%, 38%
CMY	1.0000, 0.5370, 0.6153
CMYK	1.00, 0.00, 0.17, 0.54
HSL	170°, 100%, 23%
HSV	170°, 100%, 46%
XYZ	8.6644, 13.8382, 13.7953
YIQ	80.4380, -63.9080, -31.2360

Conversions

Conversions Part 2

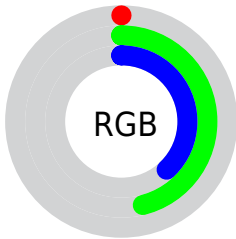
Format	Color
RYB	0, 64, 118
Decimal	30306
CIELab	44.00, -33.59, 3.00
CIELCh	44, 33.726, 174.901
Yxy	13.8382, 0.2387, 0.3812
Android (android.graphics.Color)	4278220386 (0xFF007662)
YUV	80.4380, 8.6581, -70.5441
Hunter-Lab	37.1997, -23.5241, 4.0525

Details

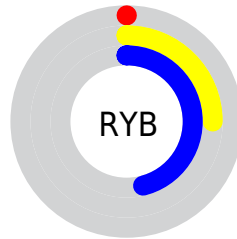
The CIELCh color **44, 33.726, 174.901** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **23, 52.573, 29.388**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 33.412, 174.973**, and **25, 24.911, 168.840** is the 20% darker color. If you saturate the color by 10%, you get **44, 33.567, 174.816**, and if you desaturate by 10%, it is **44, 32.120, 176.259**.

Distribution



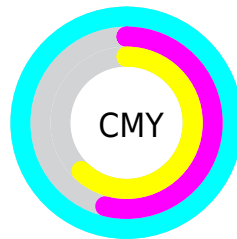
- Red (0%)
- Green (46%)
- Blue (38%)



- Red (0%)
- Yellow (25%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (54%)





- Cyan (100%)
- Magenta (54%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 33.726, 174.901 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 44, 33.726, 174.901 by changing the saturation by 10% instead.


 44, 33.726,
174.901


 44, 33.726,
174.901


 100, 33.726,
174.901


 34, 33.726,
174.901

 64, 33.726,
174.901


 24, 33.726,
174.901

 74, 33.726,
174.901

 14, 33.726,
174.901

 84, 33.726,
174.901

 4, 33.726, 174.901

 94, 33.726,
174.901

 0, 33.726, 174.901

 44, 33.726,

 44, 33.726,

174.901

174.901

■ 44, 33.567,
174.816

■ 44, 32.120,
176.259

■ 44, 30.361,
177.660

■ 45, 28.067,
178.932

■ 45, 25.239,
180.093

■ 46, 21.909,
181.164

■ 46, 18.133,
182.162

■ 47, 13.981,
183.104

■ 48, 9.526, 184.006

Harmonies

Complementary

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



44, 33.726, 174.901



23, 52.573, 29.388

Rectangle

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



44, 33.726, 174.901



44, 33.726, 224.901



44, 33.726, 354.901



44, 33.726, 44.901

Sweetspot

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



44, 33.567, 174.816



60, 17.256, 183.036



43, 66.409, 134.472



30, 11.603, 182.730



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



44, 33.567, 174.816



56, 40.705, 174.370



32, 27.919, 256.956



24, 2.714, 184.982



46, 34.474, 174.748



88, 59.109, 173.759

Inverse Universe

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



23, 52.573, 29.388



31, 64.268, 30.843



27, 51.534, 48.943



23, 2.817, 6.348



24, 54.058, 29.614



52, 94.388, 32.725

Previews

White Background



This preview shows how the CIELCh color 44, 33.726, 174.901 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 44, 33.726, 174.901 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 44, 33.726, 174.901

Background



This preview shows how black text looks on a background with the CIELCh color 44, 33.726, 174.901.



This preview shows how white text looks on a background with the CIELCh color 44, 33.726, 174.901.

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

44, 33.575, 174.765

Protanopia

44, 8.618, 94.344

Deuteranopia

44, 6.015, 8.705



Tritanopia
44, 23.637, 211.874

Trichromacy



Original Color
44, 33.575, 174.765

Protanomaly
43, 18.556, 165.948

Deuteranomaly
43, 13.666, 182.362

Tritanomaly
44, 26.155, 196.560

Monochromacy



Original Color
44, 33.575, 174.765

Achromatopsia
34, 0.005, 296.813

Achromatomaly
37, 16.873, 182.247

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 33.726, 174.901 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, 118, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 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, 118, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 33.726, 174.901 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, 118, 98) }
```

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

```
.border{ border-color:rgb(0, 118, 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, 118, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 118, 98)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 44, 33.726, 174.901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 98) }
```

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

```
.background{ background-color: rgb(0, 118,  
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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