

Converting Colors

CIELCh(40, 31.764, 173.585)

Have a look what the booklet for
CIELCh(40, 31.764, 173.585)
contains.

CIELCh(40, 31.550, 174.114)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(40, 31.550, 174.114)

Conversions

Conversions Part 1

Format	Color
Hex	006B58
RGB	0, 107, 88
RGB Percent	0%, 42%, 35%
CMY	0.9988, 0.5799, 0.6544
CMYK	1.00, 0.00, 0.18, 0.58
HSL	169°, 99%, 21%
HSV	169°, 100%, 42%
XYZ	7.0414, 11.2510, 11.0597
YIQ	72.8410, -57.6730, -28.5930

Conversions

Conversions Part 2

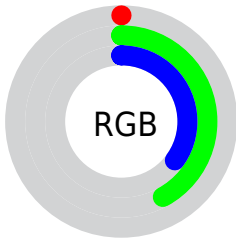
Format	Color
RYB	0, 59, 107
Decimal	27480
CIELab	40.00, -31.38, 3.24
CIELCh	40, 31.550, 174.114
Yxy	11.2510, 0.2399, 0.3833
Android (android.graphics.Color)	4278217560 (0xFF006B58)
YUV	72.8410, 7.4734, -63.8816
Hunter-Lab	33.5425, -21.2277, 3.9305

Details

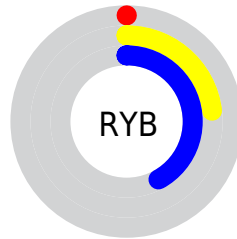
The CIELCh color **40, 31.550, 174.114** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **21, 48.405, 27.964**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 31.379, 174.324**, and **21, 22.930, 167.380** is the 20% darker color. If you saturate the color by 10%, you get **40, 31.591, 174.075**, and if you desaturate by 10%, it is **40, 30.085, 175.548**.

Distribution



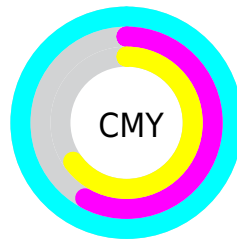
- Red (0%)
- Green (42%)
- Blue (35%)



- Red (0%)
- Yellow (23%)
- Blue (42%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (58%)





- Cyan (100%)
- Magenta (58%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 31.550, 174.114 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 40, 31.550, 174.114 by changing the saturation by 10% instead.


 40, 31.550,
174.114


 40, 31.550,
174.114


 100, 31.550,
174.114


 30, 31.550,
174.114

 60, 31.550,
174.114


 20, 31.550,
174.114


 70, 31.550,
174.114


 10, 31.550,
174.114

 80, 31.550,
174.114

 0, 31.550, 174.114

 90, 31.550,
174.114

 40, 31.550,

 40, 31.550,

174.114

174.114

■ 40, 31.591,
174.075

■ 40, 30.085,
175.548

■ 40, 28.361,
176.958

■ 41, 26.147,
178.238

■ 41, 23.450,
179.408

■ 42, 20.301,
180.485

■ 42, 16.753,
181.488

■ 43, 12.869,
182.434

■ 44, 8.718, 183.337

Harmonies

Complementary

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



40, 31.550, 174.114



21, 48.405, 27.964

Rectangle

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



40, 31.550, 174.114



40, 31.550, 224.114



40, 31.550, 354.114



40, 31.550, 44.114

Sweetspot

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



40, 31.550, 174.113



55, 16.159, 182.330



39, 61.799, 134.376



28, 11.023, 182.033



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



40, 31.550, 174.113



52, 38.558, 173.559



29, 25.871, 256.246



22, 2.524, 184.295



44, 33.767, 173.889



87, 58.847, 172.808

Inverse Universe

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



21, 48.405, 27.964



29, 59.721, 29.757



25, 47.185, 48.738



21, 2.616, 5.645



23, 52.023, 28.694



51, 92.310, 32.061

Previews

White Background



This preview shows how the CIE LCh color 40, 31.550, 174.114 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 CIE LCh color 40, 31.550, 174.114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

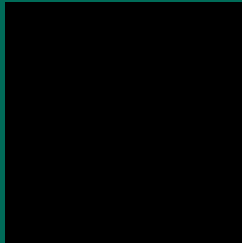
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 31.550, 174.114

Background



This preview shows how black text looks on a background with the CIELCh color 40, 31.550, 174.114.



This preview shows how white text looks on a background with the CIELCh color 40, 31.550, 174.114.

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
40, 31.550, 174.114

Protanopia
40, 8.187, 93.237

Deuteranopia
40, 5.615, 13.935



Tritanopia
40, 22.037, 209.915

Trichromacy



Original Color
40, 31.550, 174.114

Protanomaly
39, 17.228, 165.036

Deuteranomaly
39, 12.807, 181.002

Tritanomaly
40, 24.766, 193.657

Monochromacy



Original Color
40, 31.550, 174.114

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 15.465, 180.604

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 31.550, 174.114 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, 107, 88)` looks like.

```
.text, #text, p{  
    color:rgb(0, 107, 88)  
}
```

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, 107, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 31.550, 174.114 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, 107, 88) }
```

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

```
.border{ border-color:rgb(0, 107, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 107, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 88);  
box-shadow:4px 4px 4px 4px rgb(0, 107, 88)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 31.550, 174.114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 107, 88) }
```

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

```
.background{ background-color: rgb(0, 107,  
88) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor