

Converting Colors

CIELCh(38, 56.860, 168.678)

Have a look what the booklet for
CIELCh(38, 56.860, 168.678)
contains.

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Color

CIELCh(40, 39.755, 158.746)

Conversions

Conversions Part 1

Format	Color
Hex	006C46
RGB	0, 108, 70
RGB Percent	0%, 42%, 27%
CMY	1.0000, 0.5747, 0.7274
CMYK	1.00, 0.00, 0.36, 0.57
HSL	158°, 100%, 21%
HSV	158°, 100%, 43%
XYZ	6.4866, 11.2510, 7.5429
YIQ	71.3760, -52.1700, -34.7140

Conversions

Conversions Part 2

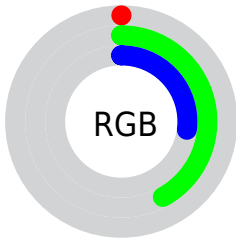
Format	Color
RYB	0, 66, 108
Decimal	27718
CIELab	40.00, -37.05, 14.41
CIELCh	40, 39.755, 158.746
Yxy	11.2510, 0.2566, 0.4450
Android (android.graphics.Color)	4278217798 (0xFF006C46)
YUV	71.3760, -0.6784, -62.5968
Hunter-Lab	33.5425, -24.1804, 10.1468

Details

The CIELCh color **40, 39.755, 158.746** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **21, 45.286, 12.692**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 38.810, 159.614**, and **21, 30.926, 149.848** is the 20% darker color. If you saturate the color by 10%, you get **40, 39.669, 158.668**, and if you desaturate by 10%, it is **40, 37.229, 160.526**.

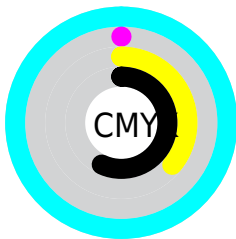
Distribution



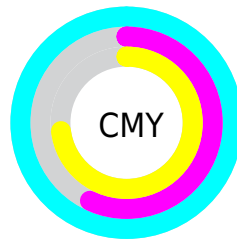
- Red (0%)
- Green (42%)
- Blue (27%)



- Red (0%)
- Yellow (26%)
- Blue (42%)



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (57%)





- Cyan (100%)
- Magenta (57%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 39.755, 158.746 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, 39.755, 158.746 by changing the saturation by 10% instead.


 40, 39.755,
158.746


 40, 39.755,
158.746


 100, 39.755,
158.746


 30, 39.755,
158.746

 60, 39.755,
158.746


 20, 39.755,
158.746

 70, 39.755,
158.746

 10, 39.755,
158.746

 80, 39.755,
158.746

 0, 39.755, 158.746

 90, 39.755,
158.746

 40, 39.755,

 40, 39.755,

158.746

158.746

■ 40, 39.669,
158.668

■ 40, 37.229,
160.526

■ 40, 34.543,
162.386

■ 41, 31.388,
164.061

■ 41, 27.779,
165.562

■ 42, 23.763,
166.909

■ 42, 19.403,
168.124

■ 43, 14.775,
169.227

■ 44, 9.953, 170.240

Harmonies

Complementary

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



40, 39.755, 158.746



21, 45.286, 12.692

Rectangle

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



40, 39.755, 158.746



40, 39.755, 208.746



40, 39.755, 338.746



40, 39.755, 28.746

Sweetspot

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



40, 39.669, 158.668



55, 18.225, 169.142



40, 59.993, 131.053



28, 12.476, 168.800



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, 39.669, 158.668



51, 48.245, 158.019



36, 23.396, 219.760



22, 2.785, 171.293



43, 42.096, 158.454



86, 74.247, 157.036

Inverse Universe

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



21, 45.286, 12.692



29, 54.677, 14.261



22, 51.357, 40.203



21, 2.841, 352.712



24, 47.938, 13.206



52, 83.352, 16.677

Previews

White Background



This preview shows how the CIELCh color 40, 39.755, 158.746 looks on a white background.

Color Contrast Check

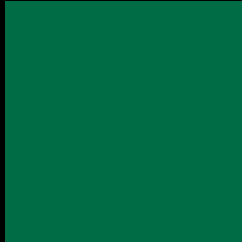
Large Text (above 18pt) WCAG AA ✓ Pass

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 40, 39.755, 158.746 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, 39.755, 158.746

Background



This preview shows how black text looks on a background with the CIELCh color 40, 39.755, 158.746.



This preview shows how white text looks on a background with the CIELCh color 40, 39.755, 158.746.

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, 39.205, 159.183

Protanopia

40, 19.056, 95.858

Deuteranopia

40, 13.515, 65.663



Tritanopia
40, 20.642, 212.757

Trichromacy



Original Color
40, 39.205, 159.183

Protanomaly
39, 25.304, 142.161

Deuteranomaly
38, 19.203, 144.711

Tritanomaly
40, 25.563, 185.276

Monochromacy



Original Color
40, 39.205, 159.183

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 18.044, 167.606

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 39.755, 158.746 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, 108, 70)` looks like.

```
.text, #text, p{  
    color:rgb(0, 108, 70)  
}
```

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, 108, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 39.755, 158.746 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, 108, 70) }
```

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

```
.border{ border-color:rgb(0, 108, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 108, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 108, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 108, 70);  
box-shadow:4px 4px 4px 4px rgb(0, 108, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 39.755, 158.746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 108, 70) }
```

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

```
.background{ background-color: rgb(0, 108,  
70) }
```

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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