

Converting Colors

CIELCh(40, 38.544, 158.654)

Have a look what the booklet for
CIELCh(40, 38.544, 158.654)
contains.

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Color

CIELCh(40, 38.548, 158.576)

Conversions

Conversions Part 1

Format	Color
Hex	096C46
RGB	9, 108, 70
RGB Percent	4%, 42%, 27%
CMY	0.9637, 0.5760, 0.7251
CMYK	0.91, 0.00, 0.35, 0.58
HSL	157°, 84%, 23%
HSV	157°, 91%, 42%
XYZ	6.5983, 11.2510, 7.6345
YIQ	74.0670, -46.8060, -32.8060

Conversions

Conversions Part 2

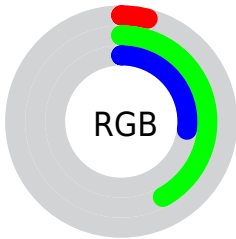
Format	Color
RYB	9, 70, 108
Decimal	617542
CIELab	40.00, -35.88, 14.08
CIElCh	40, 38.548, 158.576
Yxy	11.2510, 0.2589, 0.4415
Android (android.graphics.Color)	4278807622 (0xFF096C46)
YUV	74.0670, -2.0050, -57.0638
Hunter-Lab	33.5425, -23.5858, 9.9849

Details

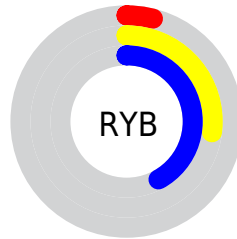
The CIELCh color **40, 38.548, 158.576** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **22, 42.918, 7.087**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 38.188, 159.001**, and **21, 30.926, 149.848** is the 20% darker color. If you saturate the color by 10%, you get **40, 40.749, 156.988**, and if you desaturate by 10%, it is **40, 35.799, 160.482**.

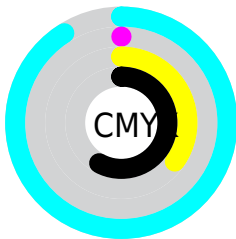
Distribution



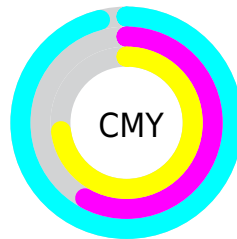
- Red (4%)
- Green (42%)
- Blue (27%)



- Red (4%)
- Yellow (27%)
- Blue (42%)



- Cyan (91%)
- Magenta (0%)
- Yellow (35%)
- Black (58%)





- Cyan (96%)
- Magenta (58%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 38.548, 158.576 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, 38.548, 158.576 by changing the saturation by 10% instead.


 40, 38.548,
158.576


 40, 38.548,
158.576


 100, 38.548,
158.576


 30, 38.548,
158.576

 60, 38.548,
158.576


 20, 38.548,
158.576

 70, 38.548,
158.576

 10, 38.548,
158.576

 80, 38.548,
158.576

 0, 38.548, 158.576

 90, 38.548,
158.576

 40, 38.548,

 40, 38.548,

158.576

■ 40, 40.749,
156.988

158.576

■ 40, 35.799,
160.482

■ 41, 32.583,
162.201

■ 41, 28.913,
163.740

■ 41, 24.833,
165.118

■ 42, 20.407,
166.356

■ 43, 15.711,
167.476

■ 44, 10.820,
168.498

■ 45, 5.806, 169.450

Harmonies

Complementary

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



40, 38.548, 158.576



22, 42.918, 7.087

Rectangle

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



40, 38.548, 158.576



40, 38.548, 208.576



40, 38.548, 338.576



40, 38.548, 28.576

Sweetspot

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



40, 38.548, 158.576



55, 16.774, 167.865



40, 56.395, 129.935



28, 11.360, 167.606



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, 38.548, 158.576



51, 49.708, 156.323



38, 23.319, 212.133



22, 2.831, 169.683



43, 43.357, 156.763



86, 76.559, 155.330

Inverse Universe

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



22, 42.918, 7.087



29, 54.375, 11.866



23, 48.265, 38.255



21, 2.884, 351.087



24, 47.719, 10.844



52, 82.703, 14.215

Previews

White Background



This preview shows how the CIELCh color 40, 38.548, 158.576 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, 38.548, 158.576 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, 38.548, 158.576

Background



This preview shows how black text looks on a background with the CIELCh color 40, 38.548, 158.576.



This preview shows how white text looks on a background with the CIELCh color 40, 38.548, 158.576.

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, 38.548, 158.576

Protanopia
40, 18.475, 95.621

Deuteranopia
40, 13.515, 65.663



Tritanopia
40, 20.437, 211.120

Trichromacy



Original Color
40, 38.548, 158.576

Protanomaly
39, 24.100, 140.805

Deuteranomaly
39, 17.959, 142.927

Tritanomaly
40, 25.227, 183.742

Monochromacy



Original Color
40, 38.548, 158.576

Achromatopsia
31, 0.005, 296.813

Achromatomaly
34, 16.773, 167.922

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 38.548, 158.576 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(9, 108, 70)` looks like.

```
.text, #text, p{  
    color:rgb(9, 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(9, 108, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 108, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 38.548, 158.576 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(9, 108, 70) }
```

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

```
.border{ border-color:rgb(9, 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(9, 108, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 108, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 108, 70);  
box-shadow:4px 4px 4px 4px rgb(9, 108, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 38.548, 158.576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 108, 70) }
```

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

```
.background{ background-color: rgb(9, 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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