

Converting Colors

CIELCh(38, 51.016, 176.723)

Have a look what the booklet for
CIELCh(38, 51.016, 176.723)
contains.

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Color

CIELCh(40, 33.905, 168.827)

Conversions

Conversions Part 1

Format	Color
Hex	006C53
RGB	0, 108, 83
RGB Percent	0%, 42%, 33%
CMY	1.0000, 0.5781, 0.6760
CMYK	1.00, 0.00, 0.23, 0.58
HSL	166°, 100%, 21%
HSV	166°, 100%, 42%
XYZ	6.8541, 11.2510, 9.9160
YIQ	72.8580, -56.3430, -30.6710

Conversions

Conversions Part 2

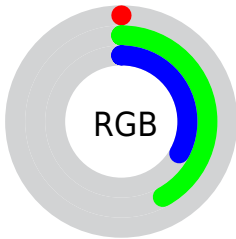
Format	Color
RYB	0, 61, 108
Decimal	27731
CIELab	40.00, -33.26, 6.57
CIELCh	40, 33.905, 168.827
Yxy	11.2510, 0.2446, 0.4015
Android (android.graphics.Color)	4278217811 (0xFF006C53)
YUV	72.8580, 5.0000, -63.8965
Hunter-Lab	33.5425, -22.2245, 5.9522

Details

The CIELCh color **40, 33.905, 168.827** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **21, 47.207, 23.844**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 33.838, 168.557**, and **21, 25.183, 161.117** is the 20% darker color. If you saturate the color by 10%, you get **40, 33.836, 168.777**, and if you desaturate by 10%, it is **40, 32.087, 170.407**.

Distribution



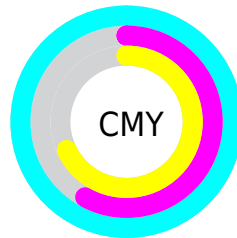
- Red (0%)
- Green (42%)
- Blue (33%)



- Red (0%)
- Yellow (24%)
- Blue (42%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (58%)





- Cyan (100%)
- Magenta (58%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 33.905, 168.827 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, 33.905, 168.827 by changing the saturation by 10% instead.


 40, 33.905,
168.827


 40, 33.905,
168.827


 100, 33.905,
168.827


 30, 33.905,
168.827

 60, 33.905,
168.827


 20, 33.905,
168.827

 70, 33.905,
168.827


 10, 33.905,
168.827

 80, 33.905,
168.827

 0, 33.905, 168.827

 90, 33.905,
168.827

 40, 33.905,

 40, 33.905,

168.827

168.827

■ 40, 33.836,
168.777

■ 40, 32.087,
170.407

■ 40, 30.095,
172.023

■ 41, 27.623,
173.484

■ 41, 24.677,
174.806

■ 42, 21.294,
176.010

■ 42, 17.529,
177.117

■ 43, 13.449,
178.144

■ 44, 9.123, 179.111

Harmonies

Complementary

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



40, 33.905, 168.827



21, 47.207, 23.844

Rectangle

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



40, 33.905, 168.827



40, 33.905, 218.827



40, 33.905, 348.827



40, 33.905, 38.827

Sweetspot

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



40, 33.836, 168.777



55, 16.689, 178.062



39, 61.527, 133.665



28, 11.397, 177.740



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, 33.836, 168.777



52, 41.250, 168.194



31, 24.346, 247.034



22, 2.588, 180.144



44, 36.079, 168.572



86, 63.139, 167.335

Inverse Universe

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



21, 47.207, 23.844



29, 57.764, 25.560



24, 48.506, 45.837



21, 2.668, 1.555



23, 50.397, 24.450



51, 89.027, 28.022

Previews

White Background



This preview shows how the CIELCh color 40, 33.905, 168.827 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, 33.905, 168.827 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, 33.905, 168.827

Background



This preview shows how black text looks on a background with the CIELCh color 40, 33.905, 168.827.



This preview shows how white text looks on a background with the CIELCh color 40, 33.905, 168.827.

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, 33.905, 168.827

Protanopia

40, 11.238, 94.523

Deuteranopia

40, 7.285, 44.673



Tritanopia
40, 21.553, 210.260

Trichromacy



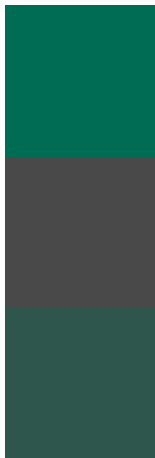
Original Color
40, 33.905, 168.827

Protanomaly
39, 19.402, 155.704

Deuteranomaly
39, 14.316, 166.624

Tritanomaly
40, 24.908, 190.798

Monochromacy



Original Color
40, 33.905, 168.827

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 16.927, 175.175

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 33.905, 168.827 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, 83)` looks like.

```
.text, #text, p{  
    color:rgb(0, 108, 83)  
}
```

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, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 33.905, 168.827 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, 83) }
```

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

```
.border{ border-color:rgb(0, 108, 83) }
```

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, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 108, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 108, 83);  
box-shadow:4px 4px 4px 4px rgb(0, 108, 83)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 33.905, 168.827 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, 83) }
```

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

```
.background{ background-color: rgb(0, 108,  
83) }
```

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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