

Converting Colors

CIELCh(40, 39.328, 170.065)

Have a look what the booklet for
CIELCh(40, 39.328, 170.065)
contains.

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Color

CIELCh(40, 34.821, 167.343)

Conversions

Conversions Part 1

Format	Color
Hex	006C51
RGB	0, 108, 81
RGB Percent	0%, 42%, 32%
CMY	1.0000, 0.5774, 0.6829
CMYK	1.00, 0.00, 0.25, 0.58
HSL	165°, 100%, 21%
HSV	165°, 100%, 42%
XYZ	6.7840, 11.2510, 9.5697
YIQ	72.6300, -55.7010, -31.2930

Conversions

Conversions Part 2

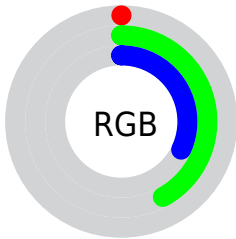
Format	Color
RYB	0, 62, 108
Decimal	27729
CIELab	40.00, -33.97, 7.63
CIELCh	40, 34.821, 167.343
Yxy	11.2510, 0.2458, 0.4076
Android (android.graphics.Color)	4278217809 (0xFF006C51)
YUV	72.6300, 4.1264, -63.6965
Hunter-Lab	33.5425, -22.5978, 6.5643

Details

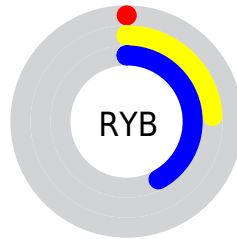
The CIELCh color **40, 34.821, 167.343** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **21, 46.846, 22.385**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 34.738, 167.170**, and **21, 26.122, 158.906** is the 20% darker color. If you saturate the color by 10%, you get **40, 34.616, 167.189**, and if you desaturate by 10%, it is **40, 32.771, 168.869**.

Distribution



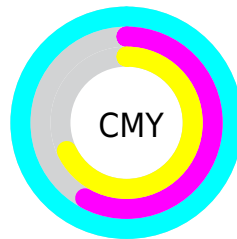
- Red (0%)
- Green (42%)
- Blue (32%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (58%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 34.821, 167.343 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, 34.821, 167.343 by changing the saturation by 10% instead.


 40, 34.821,
167.343


 40, 34.821,
167.343


 100, 34.821,
167.343


 30, 34.821,
167.343

 60, 34.821,
167.343


 20, 34.821,
167.343

 70, 34.821,
167.343

 10, 34.821,
167.343

 80, 34.821,
167.343

 0, 34.821, 167.343

 90, 34.821,
167.343

 40, 34.821,

 40, 34.821,

167.343

167.343

■ 40, 34.616,
167.189

■ 40, 32.771,
168.869

■ 40, 30.684,
170.536

■ 41, 28.119,
172.041

■ 41, 25.084,
173.401

■ 42, 21.616,
174.637

■ 42, 17.772,
175.768

■ 43, 13.619,
176.815

■ 44, 9.229, 177.796

Harmonies

Complementary

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



40, 34.821, 167.343



21, 46.846, 22.385

Rectangle

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



40, 34.821, 167.343



40, 34.821, 217.343



40, 34.821, 347.343



40, 34.821, 37.343

Sweetspot

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



40, 34.616, 167.189



55, 16.879, 176.732



39, 61.398, 133.400



28, 11.531, 176.405



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, 34.616, 167.189



52, 42.173, 166.593



32, 23.969, 243.739



22, 2.612, 178.839



44, 36.872, 166.983



86, 64.609, 165.706

Inverse Universe

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



21, 46.846, 22.385



29, 57.195, 24.096



24, 48.918, 44.970



21, 2.688, 0.261



23, 49.931, 22.980



52, 88.036, 26.584

Previews

White Background



This preview shows how the CIELCh color 40, 34.821, 167.343 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, 34.821, 167.343 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, 34.821, 167.343

Background



This preview shows how black text looks on a background with the CIELCh color 40, 34.821, 167.343.



This preview shows how white text looks on a background with the CIELCh color 40, 34.821, 167.343.

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, 34.680, 167.164

Protanopia

40, 12.414, 95.596

Deuteranopia

40, 7.986, 47.189



Tritanopia
40, 21.383, 210.384

Trichromacy



Original Color
40, 34.680, 167.164

Protanomaly
39, 20.293, 153.256

Deuteranomaly
39, 14.764, 162.012

Tritanomaly
40, 24.908, 190.798

Monochromacy



Original Color
40, 34.680, 167.164

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 16.647, 174.768

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 34.821, 167.343 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, 81)` looks like.

```
.text, #text, p{  
    color:rgb(0, 108, 81)  
}
```

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, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 34.821, 167.343 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, 81) }
```

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

```
.border{ border-color:rgb(0, 108, 81) }
```

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, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 108, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 108, 81);  
box-shadow:4px 4px 4px 4px rgb(0, 108, 81)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 34.821, 167.343 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, 81) }
```

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

```
.background{ background-color: rgb(0, 108,  
81) }
```

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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