

Converting Colors

CIELCh(40, 36.726, 160.550)

Have a look what the booklet for
CIELCh(40, 36.726, 160.550)
contains.

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Color

CIELCh(40, 36.967, 160.308)

Conversions

Conversions Part 1

Format	Color
Hex	0D6C49
RGB	13, 108, 73
RGB Percent	5%, 42%, 29%
CMY	0.9504, 0.5771, 0.7143
CMYK	0.88, 0.00, 0.32, 0.58
HSL	158°, 79%, 24%
HSV	158°, 88%, 42%
XYZ	6.7028, 11.2510, 8.0944
YIQ	75.6050, -45.3850, -31.0250

Conversions

Conversions Part 2

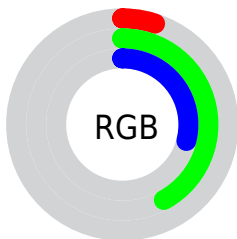
Format	Color
R_{YB}	13, 71, 108
Decimal	879689
CIE _{Lab}	40.00, -34.81, 12.46
CIE _{LCh}	40, 36.967, 160.308
Yxy	11.2510, 0.2573, 0.4319
Android (android.graphics.Color)	4279069769 (0xFF0D6C49)
YUV	75.6050, -1.2843, -54.9046
Hunter-Lab	33.5425, -23.0296, 9.1720

Details

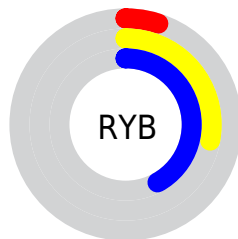
The CIELCh color **40, 36.967, 160.308** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **23, 42.091, 7.287**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 36.598, 160.501**, and **21, 29.483, 152.255** is the 20% darker color. If you saturate the color by 10%, you get **40, 39.452, 158.415**, and if you desaturate by 10%, it is **40, 34.166, 162.140**.

Distribution



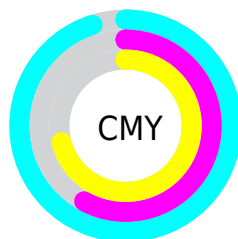
- Red (5%)
- Green (42%)
- Blue (29%)



- Red (5%)
- Yellow (28%)
- Blue (42%)



- Cyan (88%)
- Magenta (0%)
- Yellow (32%)
- Black (58%)





- Cyan (95%)
- Magenta (58%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 36.967, 160.308 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, 36.967, 160.308 by changing the saturation by 10% instead.


 40, 36.967,
160.308


 40, 36.967,
160.308


 100, 36.967,
160.308


 30, 36.967,
160.308

 60, 36.967,
160.308


 20, 36.967,
160.308

 70, 36.967,
160.308


 10, 36.967,
160.308

 80, 36.967,
160.308

 0, 36.967, 160.308

 90, 36.967,
160.308

 40, 36.967,

 40, 36.967,

160.308

160.308

■ 40, 39.452,
158.415

■ 40, 34.166,
162.140

■ 40, 39.885,
158.110

■ 41, 30.898,
163.788

■ 41, 27.187,
165.265

■ 42, 23.082,
166.590

■ 42, 18.651,
167.785

■ 43, 13.969,
168.870

■ 44, 9.110, 169.869

■ 45, 4.142, 170.816

Harmonies

Complementary

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



40, 36.967, 160.308



23, 42.091, 7.287

Rectangle

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



40, 36.967, 160.308



40, 36.967, 210.308



40, 36.967, 340.308



40, 36.967, 30.308

Sweetspot

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



40, 36.967, 160.308



55, 15.971, 169.031



40, 55.457, 130.246



28, 10.879, 168.764



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, 36.967, 160.308



51, 48.732, 157.442



37, 22.803, 214.603



22, 2.800, 170.750



43, 42.515, 157.879



86, 75.017, 156.456

Inverse Universe

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



23, 42.091, 7.287



29, 54.564, 13.464



23, 46.395, 38.649



21, 2.855, 352.165



24, 47.854, 12.419



52, 83.116, 15.859

Previews

White Background



This preview shows how the CIELCh color 40, 36.967, 160.308 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, 36.967, 160.308 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, 36.967, 160.308

Background



This preview shows how black text looks on a background with the CIELCh color 40, 36.967, 160.308.



This preview shows how white text looks on a background with the CIELCh color 40, 36.967, 160.308.

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, 36.967, 160.308

Protanopia
40, 16.627, 96.339

Deuteranopia
40, 11.815, 61.793



Tritanopia
40, 20.437, 211.120

Trichromacy



Original Color
40, 36.967, 160.308

Protanomaly
39, 22.357, 142.493

Deuteranomaly
38, 15.986, 144.283

Tritanomaly
40, 24.808, 185.026

Monochromacy



Original Color
40, 36.967, 160.308

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 16.451, 167.441

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 36.967, 160.308 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(13, 108, 73)` looks like.

```
.text, #text, p{  
    color:rgb(13, 108, 73)  
}
```

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(13, 108, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 108, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 36.967, 160.308 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(13, 108, 73) }
```

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

```
.border{ border-color:rgb(13, 108, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 108, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 108, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 108, 73);  
box-shadow:4px 4px 4px 4px rgb(13, 108,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 36.967, 160.308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 108, 73) }
```

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

```
.background{ background-color: rgb(13, 108,  
73) }
```

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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