

Converting Colors

CIELCh(40, 40.921, 157.318)

Have a look what the booklet for
CIELCh(40, 40.921, 157.318)
contains.

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Color

CIELCh(40, 41.042, 156.911)

Conversions

Conversions Part 1

Format	Color
Hex	006D43
RGB	0, 109, 67
RGB Percent	0%, 43%, 26%
CMY	1.0000, 0.5741, 0.7386
CMYK	1.00, 0.00, 0.39, 0.57
HSL	157°, 100%, 21%
HSV	157°, 100%, 43%
XYZ	6.4198, 11.2510, 7.0885
YIQ	71.6210, -51.4820, -36.1700

Conversions

Conversions Part 2

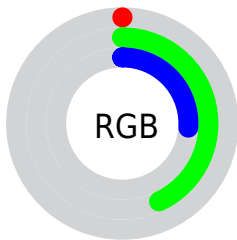
Format	Color
RYB	0, 68, 109
Decimal	27971
CIELab	40.00, -37.75, 16.10
CIELCh	40, 41.042, 156.911
Yxy	11.2510, 0.2593, 0.4544
Android (android.graphics.Color)	4278218051 (0xFF006D43)
YUV	71.6210, -2.2782, -62.8116
Hunter-Lab	33.5425, -24.5357, 10.9500

Details

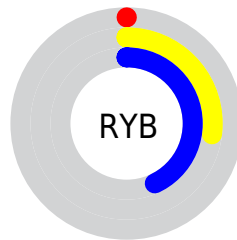
The CIELCh color **40, 41.042, 156.911** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **22, 45.136, 10.184**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 40.968, 156.915**, and **21, 32.943, 147.326** is the 20% darker color. If you saturate the color by 10%, you get **40, 40.981, 156.854**, and if you desaturate by 10%, it is **40, 38.397, 158.732**.

Distribution



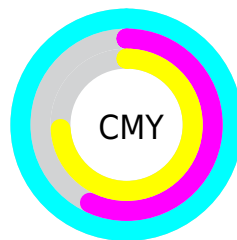
- Red (0%)
- Green (43%)
- Blue (26%)



- Red (0%)
- Yellow (27%)
- Blue (43%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (57%)





- Cyan (100%)
- Magenta (57%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 41.042, 156.911 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, 41.042, 156.911 by changing the saturation by 10% instead.


 40, 41.042,
156.911


 40, 41.042,
156.911


 100, 41.042,
156.911


 30, 41.042,
156.911

 60, 41.042,
156.911


 20, 41.042,
156.911

 70, 41.042,
156.911

 10, 41.042,
156.911

 80, 41.042,
156.911

 0, 41.042, 156.911

 90, 41.042,
156.911

 40, 41.042,

 40, 41.042,

156.911

■ 40, 40.981,
156.854

156.911

■ 40, 38.397,
158.732

■ 40, 35.563,
160.615

■ 41, 32.259,
162.310

■ 41, 28.504,
163.827

■ 42, 24.345,
165.185

■ 42, 19.851,
166.406

■ 43, 15.096,
167.511

■ 44, 10.156,
168.521

Harmonies

Complementary

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



40, 41.042, 156.911



22, 45.136, 10.184

Rectangle

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



40, 41.042, 156.911



40, 41.042, 206.911



40, 41.042, 336.911



40, 41.042, 26.911

Sweetspot

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



40, 40.981, 156.854



55, 18.600, 167.427



40, 59.505, 130.218



28, 12.738, 167.085



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, 40.981, 156.854



51, 49.816, 156.201



37, 23.897, 213.249



22, 2.835, 169.566



43, 43.450, 156.642



86, 76.730, 155.209

Inverse Universe

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



22, 45.136, 10.184



29, 54.357, 11.689



22, 51.918, 39.254



21, 2.887, 350.969



24, 47.706, 10.670



52, 82.662, 14.032

Previews

White Background



This preview shows how the CIELCh color 40, 41.042, 156.911 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, 41.042, 156.911 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, 41.042, 156.911

Background



This preview shows how black text looks on a background with the CIELCh color 40, 41.042, 156.911.



This preview shows how white text looks on a background with the CIELCh color 40, 41.042, 156.911.

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, 41.042, 156.911

Protanopia
40, 20.214, 96.275

Deuteranopia
40, 15.271, 68.565



Tritanopia
40, 20.456, 212.921

Trichromacy



Original Color
40, 41.042, 156.911

Protanomaly
39, 26.301, 140.695

Deuteranomaly
38, 20.470, 140.864

Tritanomaly
40, 25.681, 183.914

Monochromacy



Original Color
40, 41.042, 156.911

Achromatopsia
30, 0.005, 296.813

Achromatomaly
33, 19.099, 164.904

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 41.042, 156.911 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, 109, 67)` looks like.

```
.text, #text, p{  
    color:rgb(0, 109, 67)  
}
```

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, 109, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 41.042, 156.911 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, 109, 67) }
```

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

```
.border{ border-color:rgb(0, 109, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 109, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 67);  
box-shadow:4px 4px 4px 4px rgb(0, 109, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 41.042, 156.911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 109, 67) }
```

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

```
.background{ background-color: rgb(0, 109,  
67) }
```

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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