

Converting Colors

CIELCh(41, 34.247, 168.883)

Have a look what the booklet for
CIELCh(41, 34.247, 168.883)
contains.

CIELCh(41, 34.119, 169.120)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(41, 34.119, 169.120)

Conversions

Conversions Part 1

Format	Color
Hex	016E55
RGB	1, 110, 85
RGB Percent	0%, 43%, 33%
CMY	0.9942, 0.5678, 0.6659
CMYK	0.99, 0.00, 0.23, 0.57
HSL	166°, 97%, 22%
HSV	166°, 99%, 43%
XYZ	7.2638, 11.8645, 10.5416
YIQ	74.5590, -56.9390, -30.8830

Conversions

Conversions Part 2

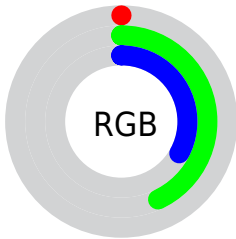
Format	Color
R_{YB}	1, 63, 110
Decimal	93781
CIE Lab	41.00, -33.51, 6.44
CIE LCh	41, 34.119, 169.120
Yxy	11.8645, 0.2448, 0.3999
Android (android.graphics.Color)	4278283861 (0xFF016E55)
YUV	74.5590, 5.1474, -64.5112
Hunter-Lab	34.4449, -22.6361, 5.9662

Details

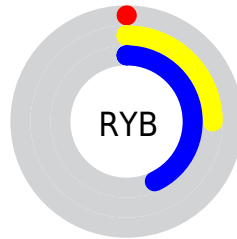
The CIELCh color **41, 34.119, 169.120** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **22, 47.606, 23.650**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 33.706, 169.608**, and **22, 25.468, 161.764** is the 20% darker color. If you saturate the color by 10%, you get **41, 34.357, 168.909**, and if you desaturate by 10%, it is **41, 32.364, 170.776**.

Distribution



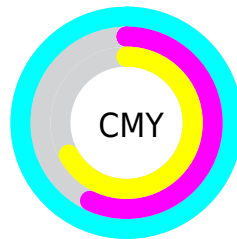
- Red (0%)
- Green (43%)
- Blue (33%)



- Red (0%)
- Yellow (25%)
- Blue (43%)



- Cyan (99%)
- Magenta (0%)
- Yellow (23%)
- Black (57%)





- Cyan (99%)
- Magenta (57%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 34.119, 169.120 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 41, 34.119, 169.120 by changing the saturation by 10% instead.


 41, 34.119,
169.120


 41, 34.119,
169.120


 100, 34.119,
169.120


 31, 34.119,
169.120

 61, 34.119,
169.120


 21, 34.119,
169.120

 71, 34.119,
169.120


 11, 34.119,
169.120


 81, 34.119,
169.120

 1, 34.119, 169.120

 91, 34.119,
169.120

 0, 34.119, 169.120

 41, 34.119,

 41, 34.119,

169.120

169.120

■ 41, 34.357,
168.909

■ 41, 32.364,
170.776

■ 41, 30.289,
172.373

■ 42, 27.722,
173.815

■ 42, 24.673,
175.121

■ 43, 21.182,
176.312

■ 43, 17.308,
177.408

■ 44, 13.118,
178.427

■ 45, 8.686, 179.388

Harmonies

Complementary

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



41, 34.119, 169.120



22, 47.606, 23.650

Rectangle

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



41, 34.119, 169.120



41, 34.119, 219.120



41, 34.119, 349.120



41, 34.119, 39.120

Sweetspot

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



41, 34.119, 169.119



56, 16.913, 178.215



40, 62.163, 133.731



28, 11.382, 177.899



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41, 34.119, 169.119



53, 41.706, 168.352



32, 24.609, 246.688



23, 2.688, 180.290



44, 36.569, 168.715



87, 63.476, 167.518

Inverse Universe

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



22, 47.606, 23.650



29, 58.640, 25.831



25, 48.956, 45.959



22, 2.773, 1.717



24, 51.286, 24.763



52, 89.873, 28.221

Previews

White Background



This preview shows how the CIE LCh color 41, 34.119, 169.120 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 41, 34.119, 169.120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

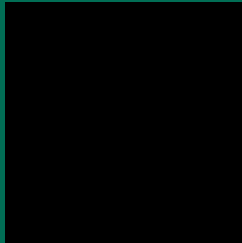
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 41, 34.119, 169.120

Background



This preview shows how black text looks on a background with the CIELCh color 41, 34.119, 169.120.



This preview shows how white text looks on a background with the CIELCh color 41, 34.119, 169.120.

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

41, 34.119, 169.120

Protanopia

41, 11.196, 94.571

Deuteranopia

41, 7.416, 39.170



Tritanopia
41, 21.979, 211.613

Trichromacy



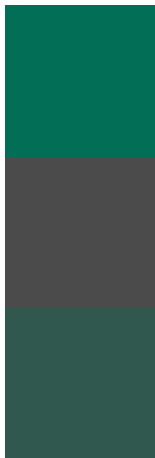
Original Color
41, 34.119, 169.120

Protanomaly
40, 19.191, 157.719

Deuteranomaly
39, 13.600, 168.057

Tritanomaly
41, 25.502, 190.948

Monochromacy



Original Color
41, 34.119, 169.120

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 16.595, 177.208

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 34.119, 169.120 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(1, 110, 85)` looks like.

```
.text, #text, p{  
    color:rgb(1, 110, 85)  
}
```

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(1, 110, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 110, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 34.119, 169.120 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(1, 110, 85) }
```

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

```
.border{ border-color:rgb(1, 110, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 110, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 110, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 110, 85);  
box-shadow:4px 4px 4px 4px rgb(1, 110, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 34.119, 169.120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 110, 85) }
```

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

```
.background{ background-color: rgb(1, 110,  
85) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor