

Converting Colors

CIELCh(37, 39.247, 156.402)

Have a look what the booklet for
CIELCh(37, 39.247, 156.402)
contains.

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Color

CIELCh(37, 39.650, 155.834)

Conversions

Conversions Part 1

Format	Color
Hex	00653C
RGB	0, 101, 60
RGB Percent	0%, 40%, 24%
CMY	1.0000, 0.6057, 0.7663
CMYK	1.00, 0.00, 0.41, 0.61
HSL	156°, 100%, 20%
HSV	156°, 100%, 39%
XYZ	5.4049, 9.5379, 5.7758
YIQ	66.1270, -47.0350, -34.1630

Conversions

Conversions Part 2

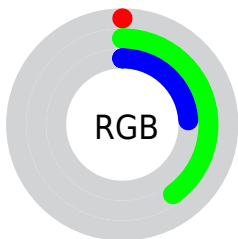
Format	Color
RYB	0, 63, 101
Decimal	25916
CIELab	37.00, -36.18, 16.23
CIELCh	37, 39.650, 155.834
Yxy	9.5379, 0.2609, 0.4604
Android (android.graphics.Color)	4278215996 (0xFF00653C)
YUV	66.1270, -3.0206, -57.9934
Hunter-Lab	30.8835, -22.8073, 10.5302

Details

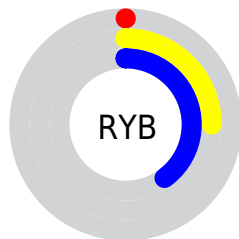
The CIELCh color **37, 39.650, 155.834** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **20, 42.660, 7.745**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 39.519, 155.856**, and **18, 31.601, 145.560** is the 20% darker color. If you saturate the color by 10%, you get **37, 39.579, 155.763**, and if you desaturate by 10%, it is **37, 36.983, 157.583**.

Distribution



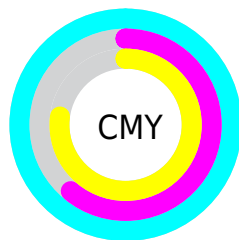
- Red (0%)
- Green (40%)
- Blue (24%)



- Red (0%)
- Yellow (25%)
- Blue (40%)



- Cyan (100%)
- Magenta (0%)
- Yellow (41%)
- Black (61%)





- Cyan (100%)
- Magenta (61%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 39.650, 155.834 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 37, 39.650, 155.834 by changing the saturation by 10% instead.


 37, 39.650,
155.834

 37, 39.650,
155.834

 100, 39.650,
155.834

 27, 39.650,
155.834

 57, 39.650,
155.834


 17, 39.650,
155.834


 67, 39.650,
155.834

 7, 39.650, 155.834

 77, 39.650,
155.834

 0, 39.650, 155.834

 87, 39.650,
155.834

 97, 39.650,
155.834

■ 37, 39.650,
155.834

■ 37, 39.650,
155.834

■ 37, 39.579,
155.763

■ 37, 36.983,
157.583

■ 37, 34.186,
159.447

■ 38, 30.952,
161.124

■ 38, 27.301,
162.626

■ 39, 23.281,
163.970

■ 39, 18.956,
165.176

■ 40, 14.397,
166.266

■ 41, 9.676, 167.260

Harmonies

Complementary

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



37, 39.650, 155.834



20, 42.660, 7.745

Rectangle

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



37, 39.650, 155.834



37, 39.650, 205.834



37, 39.650, 335.834



37, 39.650, 25.834

Sweetspot

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



37, 39.579, 155.763



51, 17.770, 166.176



37, 56.001, 129.624



26, 12.177, 165.858



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



37, 39.579, 155.763



48, 48.156, 155.056



35, 22.967, 210.000



21, 2.759, 168.287



42, 43.759, 155.380



85, 78.008, 153.894

Inverse Universe

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



20, 42.660, 7.745



27, 51.292, 9.299



20, 48.663, 38.105



19, 2.805, 349.658



23, 46.859, 8.581



52, 81.619, 11.940

Previews

White Background



This preview shows how the CIELCh color 37, 39.650, 155.834 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 37, 39.650, 155.834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 37, 39.650, 155.834

Background



This preview shows how black text looks on a background with the CIELCh color 37, 39.650, 155.834.



This preview shows how white text looks on a background with the CIELCh color 37, 39.650, 155.834.

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

37, 39.650, 155.834

Protanopia

37, 20.458, 95.979

Deuteranopia

37, 15.211, 69.668



Tritanopia
37, 19.003, 212.468

Trichromacy



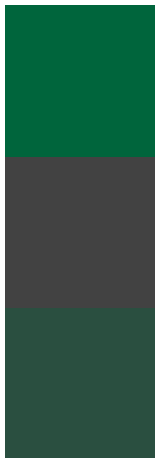
Original Color
37, 39.650, 155.834

Protanomaly
36, 26.146, 139.155

Deuteranomaly
35, 19.548, 138.786

Tritanomaly
37, 24.492, 181.592

Monochromacy



Original Color
37, 39.650, 155.834

Achromatopsia
28, 0.004, 296.813

Achromatomaly
31, 17.993, 164.664

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 39.650, 155.834 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, 101, 60)` looks like.

```
.text, #text, p{  
    color:rgb(0, 101, 60)  
}
```

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, 101, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 101, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 39.650, 155.834 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, 101, 60) }
```

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

```
.border{ border-color:rgb(0, 101, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 101, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 101, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 101, 60);  
box-shadow:4px 4px 4px 4px rgb(0, 101, 60)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 39.650, 155.834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 101, 60) }
```

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

```
.background{ background-color: rgb(0, 101,  
60) }
```

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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