

Converting Colors

CIELCh(39, 37.792, 160.007)

Have a look what the booklet for
CIELCh(39, 37.792, 160.007)
contains.

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Color

CIELCh(39, 37.952, 159.962)

Conversions

Conversions Part 1

Format	Color
Hex	016A46
RGB	1, 106, 70
RGB Percent	0%, 42%, 27%
CMY	0.9960, 0.5861, 0.7271
CMYK	0.99, 0.00, 0.34, 0.59
HSL	159°, 98%, 21%
HSV	159°, 99%, 41%
XYZ	6.2130, 10.6589, 7.4560
YIQ	70.5010, -51.0240, -33.4560

Conversions

Conversions Part 2

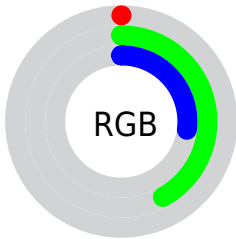
Format	Color
R_{YB}	1, 64, 106
Decimal	92742
CIE Lab	39.00, -35.65, 13.00
CIE LCh	39, 37.952, 159.962
Yxy	10.6589, 0.2554, 0.4381
Android (android.graphics.Color)	4278282822 (0xFF016A46)
YUV	70.5010, -0.2470, -60.9524
Hunter-Lab	32.6480, -23.1652, 9.3133

Details

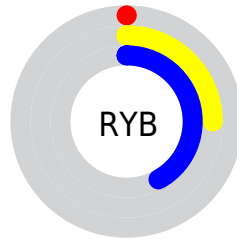
The CIELCh color **39, 37.952, 159.962** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **21, 44.268, 13.522**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 38.043, 159.748**, and **20, 29.718, 150.724** is the 20% darker color. If you saturate the color by 10%, you get **39, 38.182, 159.794**, and if you desaturate by 10%, it is **39, 35.619, 161.804**.

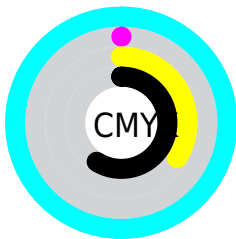
Distribution



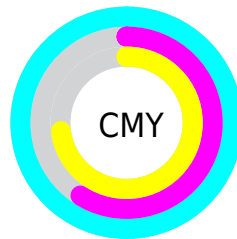
- Red (0%)
- Green (42%)
- Blue (27%)



- Red (0%)
- Yellow (25%)
- Blue (42%)



- Cyan (99%)
- Magenta (0%)
- Yellow (34%)
- Black (59%)





- Cyan (100%)
- Magenta (59%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 37.952, 159.962 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 39, 37.952, 159.962 by changing the saturation by 10% instead.


 39, 37.952,
159.962


 39, 37.952,
159.962

 100, 37.952,
159.962


 29, 37.952,
159.962

 59, 37.952,
159.962


 19, 37.952,
159.962


 69, 37.952,
159.962

 9, 37.952, 159.962

 79, 37.952,
159.962

 0, 37.952, 159.962

 89, 37.952,
159.962

 99, 37.952,
159.962

■ 39, 37.952,
159.962

■ 39, 37.952,
159.962

■ 39, 38.182,
159.794

■ 39, 35.619,
161.804

■ 39, 33.016,
163.619

■ 40, 29.954,
165.253

■ 40, 26.452,
166.719

■ 41, 22.556,
168.038

■ 41, 18.329,
169.230

■ 42, 13.844,
170.317

■ 43, 9.170, 171.320

Harmonies

Complementary

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



39, 37.952, 159.962



21, 44.268, 13.522

Rectangle

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



39, 37.952, 159.962



39, 37.952, 209.962



39, 37.952, 339.962



39, 37.952, 29.962

Sweetspot

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



39, 37.952, 159.962



54, 17.756, 170.126



39, 58.740, 131.395



27, 11.971, 169.801



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



39, 37.952, 159.962



50, 46.722, 159.115



35, 22.756, 222.838



22, 2.758, 172.275



43, 41.353, 159.506



86, 72.882, 158.099

Inverse Universe

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



21, 44.268, 13.522



28, 54.164, 15.568



22, 49.461, 40.464



21, 2.817, 353.701



24, 48.113, 14.599



52, 83.822, 18.119

Previews

White Background



This preview shows how the CIELCh color 39, 37.952, 159.962 looks on a white background.

Color Contrast Check

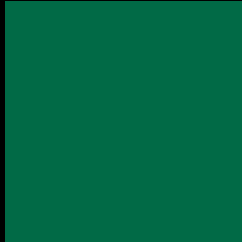
Large Text (above 18pt) WCAG AA ✓ Pass

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 39, 37.952, 159.962 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 39, 37.952, 159.962

Background



This preview shows how black text looks on a background with the CIELCh color 39, 37.952, 159.962.



This preview shows how white text looks on a background with the CIELCh color 39, 37.952, 159.962.

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


39, 38.027, 160.031

Protanopia

39, 17.273, 96.532

Deuteranopia

39, 12.318, 63.654



Tritanopia
39, 20.365, 211.203

Trichromacy



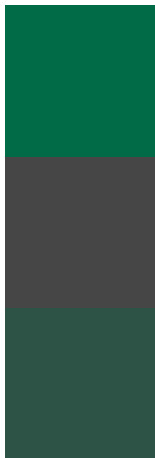
Original Color
39, 38.027, 160.031

Protanomaly
38, 23.902, 144.516

Deuteranomaly
37, 17.570, 147.135

Tritanomaly
39, 25.163, 185.066

Monochromacy



Original Color
39, 38.027, 160.031

Achromatopsia
30, 0.005, 296.813

Achromatomaly
32, 17.422, 168.738

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 37.952, 159.962 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, 106, 70)` looks like.

```
.text, #text, p{  
    color:rgb(1, 106, 70)  
}
```

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, 106, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 106, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 37.952, 159.962 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, 106, 70) }
```

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

```
.border{ border-color:rgb(1, 106, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 106, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 106, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 106, 70);  
box-shadow:4px 4px 4px 4px rgb(1, 106, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 37.952, 159.962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 106, 70) }
```

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

```
.background{ background-color: rgb(1, 106,  
70) }
```

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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