

Converting Colors

CIELCh(37, 38.733, 161.607)

Have a look what the booklet for
CIELCh(37, 38.733, 161.607)
contains.

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Color

CIELCh(37, 37.042, 159.750)

Conversions

Conversions Part 1

Format	Color
Hex	006441
RGB	0, 100, 65
RGB Percent	0%, 39%, 25%
CMY	1.0000, 0.6069, 0.7439
CMYK	1.00, 0.00, 0.35, 0.61
HSL	159°, 100%, 20%
HSV	159°, 100%, 39%
XYZ	5.5257, 9.5379, 6.5986
YIQ	66.1100, -48.3650, -32.0850

Conversions

Conversions Part 2

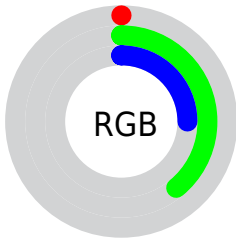
Format	Color
RYB	0, 61, 100
Decimal	25665
CIELab	37.00, -34.75, 12.82
CIELCh	37, 37.042, 159.750
Yxy	9.5379, 0.2551, 0.4403
Android (android.graphics.Color)	4278215745 (0xFF006441)
YUV	66.1100, -0.5472, -57.9785
Hunter-Lab	30.8835, -22.1087, 8.9506

Details

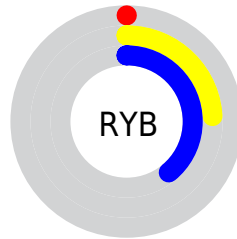
The CIELCh color **37, 37.042, 159.750** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **19, 42.882, 13.116**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 37.133, 159.489**, and **18, 28.611, 149.711** is the 20% darker color. If you saturate the color by 10%, you get **37, 36.920, 159.635**, and if you desaturate by 10%, it is **37, 34.615, 161.417**.

Distribution



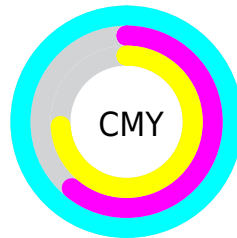
- Red (0%)
- Green (39%)
- Blue (25%)



- Red (0%)
- Yellow (24%)
- Blue (39%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (61%)





- Cyan (100%)
- Magenta (61%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 37.042, 159.750 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, 37.042, 159.750 by changing the saturation by 10% instead.


 37, 37.042,
159.750


 37, 37.042,
159.750

 100, 37.042,
159.750


 27, 37.042,
159.750

 57, 37.042,
159.750


 17, 37.042,
159.750


 67, 37.042,
159.750

 7, 37.042, 159.750

 77, 37.042,
159.750

 0, 37.042, 159.750

 87, 37.042,
159.750

 97, 37.042,
159.750

■ 37, 37.042,
159.750

■ 37, 37.042,
159.750

■ 37, 36.920,
159.635

■ 37, 34.615,
161.417

■ 37, 32.117,
163.235

■ 38, 29.183,
164.871

■ 38, 25.828,
166.341

■ 39, 22.096,
167.663

■ 39, 18.045,
168.858

■ 40, 13.744,
169.946

■ 41, 9.261, 170.949

Harmonies

Complementary

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



37, 37.042, 159.750



19, 42.882, 13.116

Rectangle

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



37, 37.042, 159.750



37, 37.042, 209.750



37, 37.042, 339.750



37, 37.042, 29.750

Sweetspot

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



37, 36.920, 159.635



51, 17.003, 169.855



37, 56.914, 131.305



26, 11.642, 169.536



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, 36.920, 159.635



48, 44.964, 158.936



33, 22.014, 222.850



21, 2.655, 171.995



42, 40.883, 159.253



85, 72.684, 157.799

Inverse Universe

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



19, 42.882, 13.116



27, 51.849, 14.828



20, 47.564, 40.136



19, 2.710, 353.401



23, 47.292, 14.050



51, 83.006, 17.663

Previews

White Background



This preview shows how the CIELCh color 37, 37.042, 159.750 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 CIELCh color 37, 37.042, 159.750 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, 37.042, 159.750

Background



This preview shows how black text looks on a background with the CIELCh color 37, 37.042, 159.750.



This preview shows how white text looks on a background with the CIELCh color 37, 37.042, 159.750.

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, 36.915, 159.536

Protanopia
37, 16.840, 96.090

Deuteranopia
37, 12.571, 66.827



Tritanopia
37, 19.610, 209.996

Trichromacy



Original Color
37, 36.915, 159.536

Protanomaly
36, 23.119, 143.829

Deuteranomaly
36, 17.441, 146.088

Tritanomaly
37, 24.711, 183.226

Monochromacy



Original Color
37, 36.915, 159.536

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 16.566, 169.329

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 37.042, 159.750 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, 100, 65)` looks like.

```
.text, #text, p{  
    color:rgb(0, 100, 65)  
}
```

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, 100, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 100, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 37.042, 159.750 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, 100, 65) }
```

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

```
.border{ border-color:rgb(0, 100, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 100, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 100, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 100, 65);  
box-shadow:4px 4px 4px 4px rgb(0, 100, 65)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 37.042, 159.750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 100, 65) }
```

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

```
.background{ background-color: rgb(0, 100,  
65) }
```

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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