

Converting Colors

CIELCh(36, 51.258, 159.776)

Have a look what the booklet for
CIELCh(36, 51.258, 159.776)
contains.

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Color

CIELCh(37, 42.293, 152.392)

Conversions

Conversions Part 1

Format	Color
Hex	006536
RGB	0, 101, 54
RGB Percent	0%, 40%, 21%
CMY	1.0000, 0.6046, 0.7888
CMYK	1.00, 0.00, 0.47, 0.60
HSL	152°, 100%, 20%
HSV	152°, 100%, 40%
XYZ	5.2958, 9.5379, 5.0336
YIQ	65.4430, -45.1090, -36.0290

Conversions

Conversions Part 2

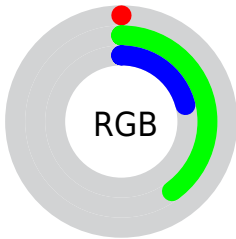
Format	Color
RYB	0, 66, 101
Decimal	25910
CIELab	37.00, -37.48, 19.60
CIELCh	37, 42.293, 152.392
Yxy	9.5379, 0.2666, 0.4801
Android (android.graphics.Color)	4278215990 (0xFF006536)
YUV	65.4430, -5.6414, -57.3935
Hunter-Lab	30.8835, -23.4378, 11.9550

Details

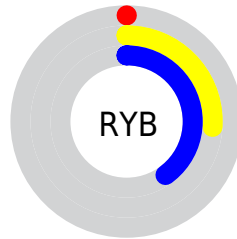
The CIELCh color **37, 42.293, 152.392** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **20, 42.869, 2.422**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 42.424, 152.071**, and **18, 34.417, 141.926** is the 20% darker color. If you saturate the color by 10%, you get **37, 42.267, 152.364**, and if you desaturate by 10%, it is **37, 39.400, 154.191**.

Distribution



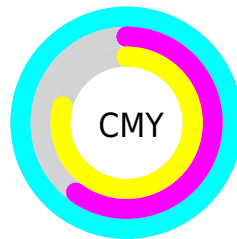
- Red (0%)
- Green (40%)
- Blue (21%)



- Red (0%)
- Yellow (26%)
- Blue (40%)



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (60%)





- Cyan (100%)
- Magenta (60%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 42.293, 152.392 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, 42.293, 152.392 by changing the saturation by 10% instead.


 37, 42.293,
152.392


 37, 42.293,
152.392

 100, 42.293,
152.392


 27, 42.293,
152.392

 57, 42.293,
152.392


 17, 42.293,
152.392


 67, 42.293,
152.392

 7, 42.293, 152.392

 77, 42.293,
152.392

 0, 42.293, 152.392

 87, 42.293,
152.392

 97, 42.293,
152.392

■ 37, 42.293,
152.392

■ 37, 42.293,
152.392

■ 37, 42.267,
152.364

■ 37, 39.400,
154.191

■ 37, 36.315,
156.072

■ 38, 32.786,
157.764

■ 38, 28.839,
159.275

■ 39, 24.528,
160.621

■ 39, 19.922,
161.822

■ 40, 15.095,
162.899

■ 41, 10.122,

163.874

■ 42, 5.070, 164.775

Harmonies

Complementary

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



37, 42.293, 152.392



20, 42.869, 2.422

Rectangle

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



37, 42.293, 152.392



37, 42.293, 202.392



37, 42.293, 332.392



37, 42.293, 22.392

Sweetspot

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



37, 42.267, 152.364



51, 18.593, 162.812



38, 55.286, 128.167



26, 12.750, 162.498



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, 42.267, 152.364



48, 51.369, 151.661



37, 24.289, 201.464



21, 2.873, 164.870



42, 46.657, 151.987



85, 83.338, 150.496

Inverse Universe

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



20, 42.869, 2.422



27, 51.301, 3.783



19, 49.496, 36.742



19, 2.912, 346.189



23, 46.928, 3.146



52, 81.210, 6.145

Previews

White Background



This preview shows how the CIELCh color 37, 42.293, 152.392 looks on a white background.

Color Contrast Check

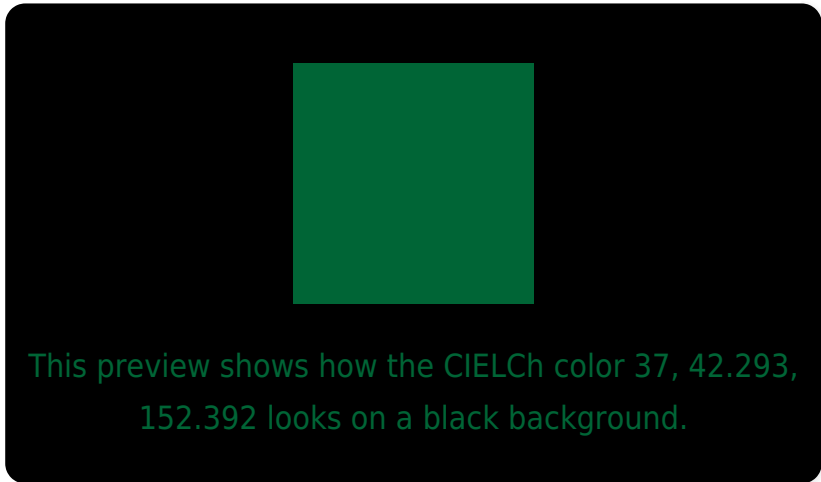
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

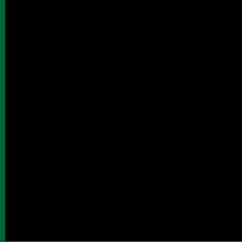
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 42.293, 152.392

Background



This preview shows how black text looks on a background with the CIELCh color 37, 42.293, 152.392.



This preview shows how white text looks on a background with the CIELCh color 37, 42.293, 152.392.

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, 42.293, 152.392

Protanopia
37, 23.439, 95.545

Deuteranopia
37, 18.605, 74.562



Tritanopia
37, 18.802, 212.657

Trichromacy



Original Color
37, 42.293, 152.392

Protanomaly
36, 28.479, 135.292

Deuteranomaly
35, 22.736, 133.980

Tritanomaly
37, 25.087, 178.930

Monochromacy



Original Color
37, 42.293, 152.392

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 18.846, 161.497

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 42.293, 152.392 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, 54)` looks like.

```
.text, #text, p{  
    color:rgb(0, 101, 54)  
}
```

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, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 101, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 42.293, 152.392 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, 54) }
```

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

```
.border{ border-color:rgb(0, 101, 54) }
```

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, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 101, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 101, 54);  
box-shadow:4px 4px 4px 4px rgb(0, 101, 54)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 42.293, 152.392 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, 54) }
```

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

```
.background{ background-color: rgb(0, 101,  
54) }
```

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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