

Converting Colors

CIELCh(36, 67.948, 144.603)

Have a look what the booklet for
CIELCh(36, 67.948, 144.603)
contains.

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Color

CIELCh(37, 60.175, 136.941)

Conversions

Conversions Part 1

Format	Color
Hex	006605
RGB	0, 102, 5
RGB Percent	0%, 40%, 2%
CMY	1.0000, 0.5993, 0.9806
CMYK	1.00, 0.00, 0.95, 0.60
HSL	123°, 100%, 20%
HSV	123°, 100%, 40%
XYZ	4.7740, 9.5379, 1.7316
YIQ	60.4440, -29.6550, -51.7910

Conversions

Conversions Part 2

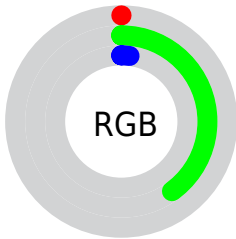
Format	Color
RYB	0, 97, 102
Decimal	26117
CIELab	37.00, -43.97, 41.08
CIELCh	37, 60.175, 136.941
Yxy	9.5379, 0.2976, 0.5945
Android (android.graphics.Color)	4278216197 (0xFF006605)
YUV	60.4440, -27.3339, -53.0094
Hunter-Lab	30.8835, -26.4533, 18.2942

Details

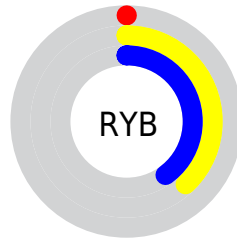
The CIELCh color **37, 60.175, 136.941** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **23, 56.960, 330.145**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 59.934, 136.868**, and **18, 37.921, 138.389** is the 20% darker color. If you saturate the color by 10%, you get **37, 60.050, 136.796**, and if you desaturate by 10%, it is **37, 57.141, 137.508**.

Distribution



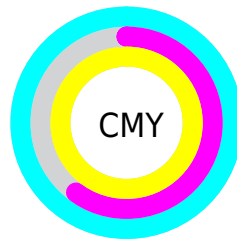
- Red (0%)
- Green (40%)
- Blue (2%)



- Red (0%)
- Yellow (38%)
- Blue (40%)



- Cyan (100%)
- Magenta (0%)
- Yellow (95%)
- Black (60%)





- Cyan (100%)
- Magenta (60%)
- Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 60.175, 136.941 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, 60.175, 136.941 by changing the saturation by 10% instead.


 37, 60.175,
136.941


 37, 60.175,
136.941


 100, 60.175,
136.941


 27, 60.175,
136.941


 57, 60.175,
136.941


 17, 60.175,
136.941


 67, 60.175,
136.941

 7, 60.175, 136.941

 77, 60.175,
136.941

 0, 60.175, 136.941

 87, 60.175,
136.941

 97, 60.175,
136.941

■ 37, 60.175,
136.941

■ 37, 60.175,
136.941

■ 37, 60.050,
136.796

■ 37, 57.141,
137.508

■ 37, 53.305,
138.555

■ 38, 48.369,
139.706

■ 38, 42.557,
140.860

■ 39, 36.094,
141.948

■ 39, 29.179,
142.933

■ 40, 21.983,
143.805

■ 41, 14.650,

144.565

■ 42, 7.292, 145.228

Harmonies

Complementary

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



37, 60.175, 136.941



23, 56.960, 330.145

Rectangle

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



37, 60.175, 136.941



37, 60.175, 186.941



37, 60.175, 316.941



37, 60.175, 6.941

Sweetspot

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



37, 60.050, 136.796



52, 27.226, 143.735



41, 49.556, 104.803



26, 18.408, 143.488



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, 60.050, 136.796



48, 72.673, 136.597



37, 42.730, 152.284



21, 4.085, 145.296



42, 65.339, 136.702



84, 114.427, 136.298

Inverse Universe

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



23, 56.960, 330.145



31, 68.533, 330.202



20, 43.270, 2.434



20, 4.092, 326.208



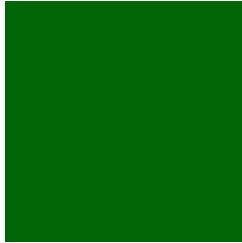
26, 61.807, 330.172



57, 106.947, 330.296

Previews

White Background



This preview shows how the CIELCh color 37, 60.175, 136.941 looks on a white background.

Color Contrast Check

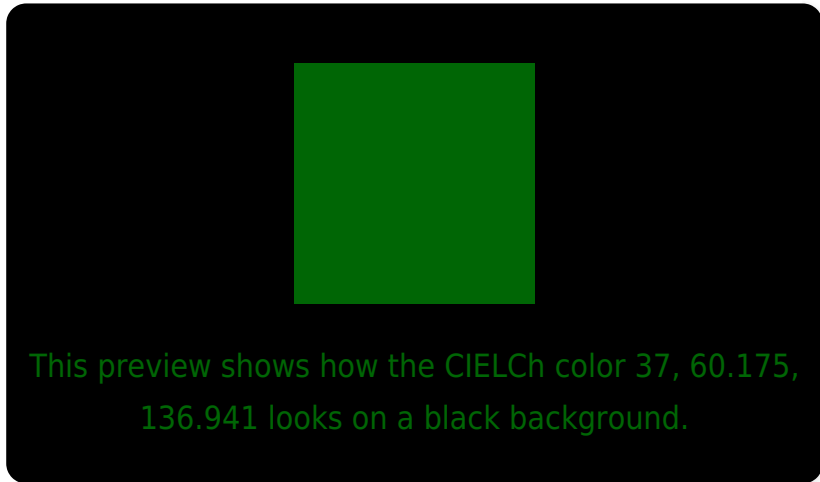
Large Text (above 18pt) WCAG AA ✓ Pass

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

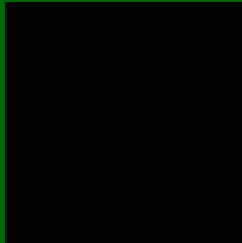
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 60.175, 136.941

Background



This preview shows how black text looks on a background with the CIELCh color 37, 60.175, 136.941.



This preview shows how white text looks on a background with the CIELCh color 37, 60.175, 136.941.

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, 59.960, 136.805

Protanopia

37, 44.652, 95.569

Deuteranopia

37, 37.744, 82.644



Tritanopia
37, 17.732, 213.726

Trichromacy



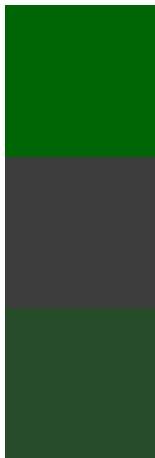
Original Color
37, 59.960, 136.805

Protanomaly
36, 48.491, 120.721

Deuteranomaly
35, 41.825, 117.103

Tritanomaly
37, 32.028, 159.044

Monochromacy



Original Color
37, 59.960, 136.805

Achromatopsia
26, 0.004, 296.813

Achromatomaly
29, 27.519, 142.431

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 60.175, 136.941 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, 102, 5)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 5)  
}
```

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, 102, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 60.175, 136.941 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, 102, 5) }
```

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

```
.border{ border-color:rgb(0, 102, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 102, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 102, 5); box-shadow:4px  
4px 4px 4px rgb(0, 102, 5) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 60.175, 136.941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 102, 5) }
```

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

```
.background{ background-color: rgb(0, 102,  
5) }
```

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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