

Converting Colors

CIELCh(37, 60.156, 136.671)

Have a look what the booklet for
CIELCh(37, 60.156, 136.671)
contains.

CIELCh(37, 60.186, 136.649)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(37, 60.186, 136.649)

Conversions

Conversions Part 1

Format	Color
Hex	006604
RGB	0, 102, 4
RGB Percent	0%, 40%, 2%
CMY	0.9989, 0.5995, 0.9837
CMYK	1.00, 0.00, 0.96, 0.60
HSL	122°, 99%, 20%
HSV	122°, 100%, 40%
XYZ	4.7897, 9.5379, 1.7078
YIQ	60.3300, -29.3340, -52.1020

Conversions

Conversions Part 2

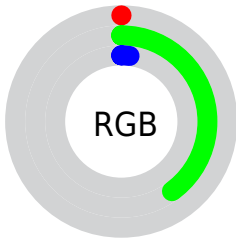
Format	Color
RYB	0, 98, 102
Decimal	26116
CIELab	37.00, -43.76, 41.32
CIELCh	37, 60.186, 136.649
Yxy	9.5379, 0.2987, 0.5948
Android (android.graphics.Color)	4278216196 (0xFF006604)
YUV	60.3300, -27.7707, -52.9094
Hunter-Lab	30.8835, -26.3626, 18.3398

Details

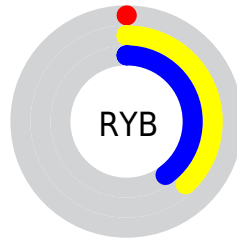
The CIELCh color **37, 60.186, 136.649** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **23, 57.313, 329.711**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 60.328, 136.626**, and **18, 37.921, 138.389** is the 20% darker color. If you saturate the color by 10%, you get **37, 60.265, 136.631**, and if you desaturate by 10%, it is **37, 57.274, 137.359**.

Distribution



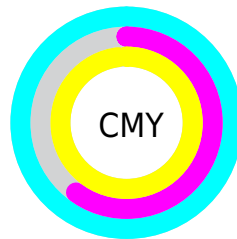
- Red (0%)
- Green (40%)
- Blue (2%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (96%)
- Black (60%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 60.186, 136.649 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, 60.186, 136.649 by changing the saturation by 10% instead.


 37, 60.186,
136.649

 37, 60.186,
136.649

 100, 60.186,
136.649

 27, 60.186,
136.649

 57, 60.186,
136.649


 17, 60.186,
136.649

 67, 60.186,
136.649

 7, 60.186, 136.649

 77, 60.186,
136.649

 0, 60.186, 136.649

 87, 60.186,
136.649

 97, 60.186,
136.649

■ 37, 60.186,
136.649

■ 37, 60.186,
136.649

■ 37, 60.265,
136.631

■ 37, 57.274,
137.359

■ 37, 53.450,
138.365

■ 38, 48.497,
139.489

■ 38, 42.652,
140.624

■ 39, 36.143,
141.700

■ 39, 29.178,
142.677

■ 40, 21.931,
143.542

■ 41, 14.547,

144.297

■ 42, 7.141, 144.956

Harmonies

Complementary

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



37, 60.186, 136.649



23, 57.313, 329.711

Rectangle

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



37, 60.186, 136.649



37, 60.186, 186.649



37, 60.186, 316.649



37, 60.186, 6.649

Sweetspot

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



37, 60.186, 136.650



52, 27.421, 143.450



41, 49.463, 104.811



26, 18.539, 143.204



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, 60.186, 136.650



48, 72.891, 136.474



37, 42.633, 152.332



21, 4.114, 145.006



42, 65.570, 136.556



84, 114.599, 136.236

Inverse Universe

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



23, 57.313, 329.711



31, 69.080, 329.762



20, 43.193, 2.350



20, 4.121, 325.915



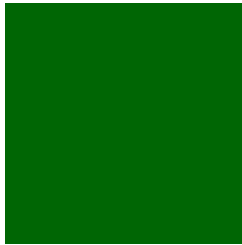
26, 62.293, 329.739



57, 107.840, 329.834

Previews

White Background



This preview shows how the CIELCh color 37, 60.186, 136.649 looks on a white background.

Color Contrast Check

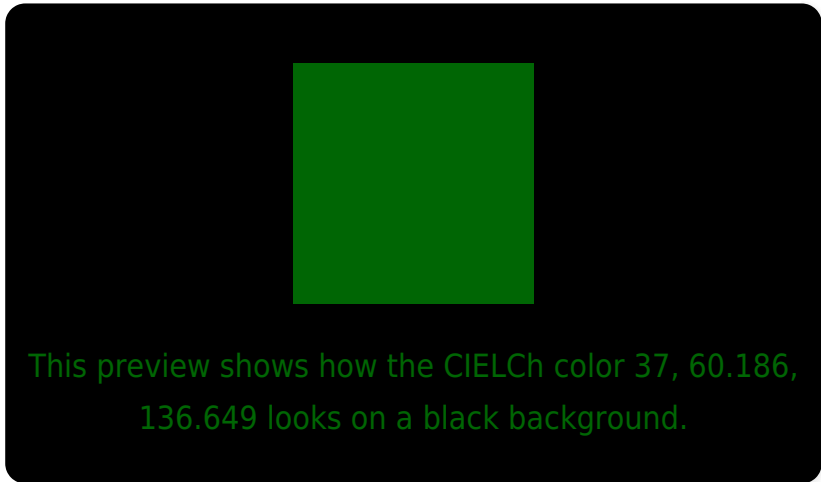
Large Text (above 18pt) WCAG AA ✓ Pass

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

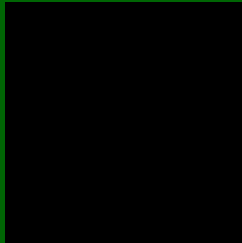
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 60.186, 136.649

Background



This preview shows how black text looks on a background with the CIELCh color 37, 60.186, 136.649.



This preview shows how white text looks on a background with the CIELCh color 37, 60.186, 136.649.

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, 60.186, 136.649

Protanopia

37, 44.652, 95.569

Deuteranopia

37, 38.160, 82.797



Tritanopia
37, 17.732, 213.726

Trichromacy



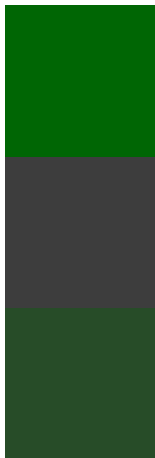
Original Color
37, 60.186, 136.649

Protanomaly
36, 48.491, 120.721

Deuteranomaly
35, 41.825, 117.103

Tritanomaly
37, 32.028, 159.044

Monochromacy



Original Color
37, 60.186, 136.649

Achromatopsia
26, 0.004, 296.813

Achromatomaly
29, 28.020, 141.711

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 60.186, 136.649 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, 4)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 4)  
}
```

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, 4) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 37, 60.186, 136.649 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, 4) }
```

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

```
.border{ border-color:rgb(0, 102, 4) }
```

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, 4)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 37, 60.186, 136.649 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, 4) }
```

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

```
.background{ background-color: rgb(0, 102,  
4) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor