

Converting Colors

CIELCh(37, 48.669, 145.888)

Have a look what the booklet for
CIELCh(37, 48.669, 145.888)
contains.

CIELCh(37, 48.353, 145.869)	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, 48.353, 145.869)

Conversions

Conversions Part 1

Format	Color
Hex	016528
RGB	1, 101, 40
RGB Percent	0%, 40%, 16%
CMY	0.9971, 0.6025, 0.8418
CMYK	0.99, 0.00, 0.60, 0.60
HSL	144°, 99%, 20%
HSV	144°, 99%, 40%
XYZ	5.0867, 9.5379, 3.6097
YIQ	64.1460, -40.0190, -40.1710

Conversions

Conversions Part 2

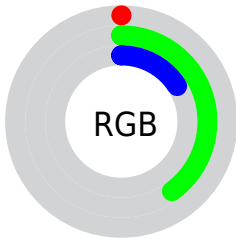
Format	Color
RYB	1, 73, 101
Decimal	91432
CIELab	37.00, -40.02, 27.13
CIELCh	37, 48.353, 145.869
Yxy	9.5379, 0.2790, 0.5231
Android (android.graphics.Color)	4278281512 (0xFF016528)
YUV	64.1460, -11.9040, -55.3790
Hunter-Lab	30.8835, -24.6462, 14.6886

Details

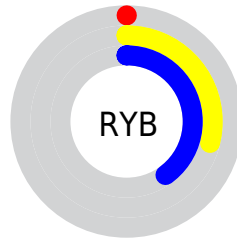
The CIELCh color **37, 48.353, 145.869** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **21, 44.863, 350.372**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 48.407, 145.824**, and **18, 37.921, 138.389** is the 20% darker color. If you saturate the color by 10%, you get **37, 48.597, 145.754**, and if you desaturate by 10%, it is **37, 44.964, 147.632**.

Distribution



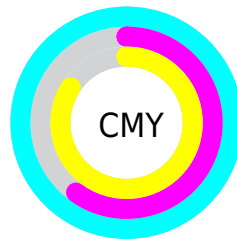
- Red (0%)
- Green (40%)
- Blue (16%)



- Red (0%)
- Yellow (29%)
- Blue (40%)



- Cyan (99%)
- Magenta (0%)
- Yellow (60%)
- Black (60%)



- Cyan (100%)
- Magenta (60%)
- Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 48.353, 145.869 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, 48.353, 145.869 by changing the saturation by 10% instead.

 37, 48.353,
145.869

 37, 48.353,
145.869

 100, 48.353,
145.869

 27, 48.353,
145.869

 57, 48.353,
145.869

 17, 48.353,
145.869

 67, 48.353,
145.869

 7, 48.353, 145.869

 77, 48.353,
145.869

 0, 48.353, 145.869

 87, 48.353,
145.869

 97, 48.353,
145.869

■ 37, 48.353,
145.869

■ 37, 48.353,
145.869

■ 37, 48.597,
145.754

■ 37, 44.964,
147.632

■ 37, 41.242,
149.449

■ 38, 37.027,
151.091

■ 38, 32.367,
152.556

■ 39, 27.338,
153.850

■ 39, 22.024,
154.992

■ 40, 16.515,
156.001

■ 41, 10.892,

156.897

■ 42, 5.229, 157.711

Harmonies

Complementary

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



37, 48.353, 145.869



21, 44.863, 350.372

Rectangle

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



37, 48.353, 145.869



37, 48.353, 195.869



37, 48.353, 325.869



37, 48.353, 15.869

Sweetspot

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



37, 48.353, 145.869



52, 21.092, 155.846



39, 52.726, 122.728



26, 14.252, 155.557



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, 48.353, 145.869



48, 59.772, 145.050



38, 28.207, 181.050



21, 3.183, 157.738



42, 53.458, 145.407



84, 95.631, 143.996

Inverse Universe

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



21, 44.863, 350.372



28, 54.207, 351.432



19, 47.605, 30.963



20, 3.206, 338.908



24, 48.995, 350.962



53, 84.057, 352.908

Previews

White Background



This preview shows how the CIELCh color 37, 48.353, 145.869 looks on a white background.

Color Contrast Check

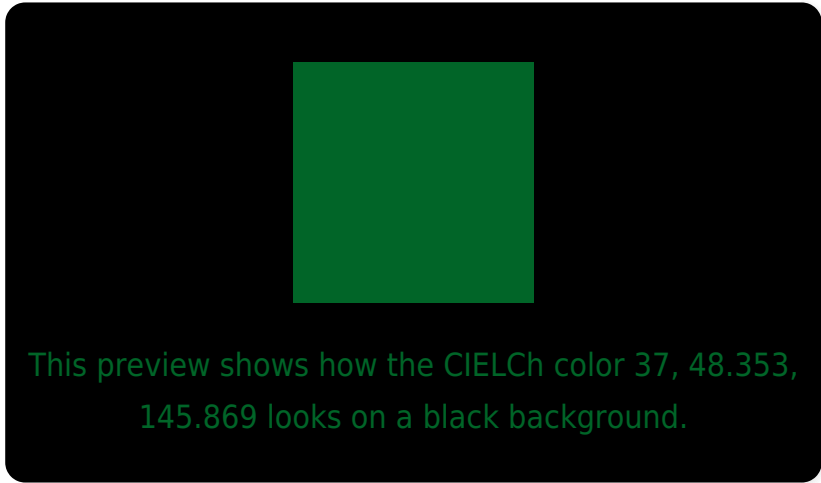
Large Text (above 18pt) WCAG AA ✓ Pass

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, 48.353, 145.869

Background



This preview shows how black text looks on a background with the CIELCh color 37, 48.353, 145.869.



This preview shows how white text looks on a background with the CIELCh color 37, 48.353, 145.869.

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, 48.277, 145.783

Protanopia
37, 30.666, 95.741

Deuteranopia
37, 25.791, 78.747



Tritanopia
37, 18.387, 213.058

Trichromacy



Original Color
37, 48.277, 145.783

Protanomaly
36, 34.803, 128.517

Deuteranomaly
35, 29.426, 126.094

Tritanomaly
37, 26.429, 172.557

Monochromacy



Original Color
37, 48.277, 145.783

Achromatopsia
27, 0.004, 296.813

Achromatomaly
30, 21.544, 153.615

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 48.353, 145.869 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, 101, 40)` looks like.

```
.text, #text, p{  
    color:rgb(1, 101, 40)  
}
```

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, 101, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 101, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 48.353, 145.869 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, 101, 40) }
```

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

```
.border{ border-color:rgb(1, 101, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 101, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 101, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 101, 40);  
box-shadow:4px 4px 4px 4px rgb(1, 101, 40)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 48.353, 145.869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 101, 40) }
```

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

```
.background{ background-color: rgb(1, 101,  
40) }
```

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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