

Converting Colors

CIELCh(37, 47.234, 146.858)

Have a look what the booklet for
CIELCh(37, 47.234, 146.858)
contains.

| | |
|--|----|
| CIELCh(37, 47.009, 147.023) | 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, 47.009, 147.023)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 01652B |
| RGB | 1, 101, 43 |
| RGB Percent | 0%, 40%, 17% |
| CMY | 0.9942, 0.6030, 0.8305 |
| CMYK | 0.99, 0.00, 0.57, 0.60 |
| HSL | 145°, 97%, 20% |
| HSV | 145°, 99%, 40% |
| XYZ | 5.1346, 9.5379, 3.8761 |
| YIQ | 64.4880, -40.9820, -39.2380 |

Conversions

Conversions Part 2

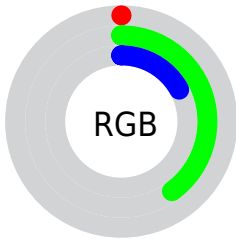
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 1, 71, 101 |
| Decimal | 91435 |
| CIELab | 37.00, -39.44, 25.59 |
| CIElCh | 37, 47.009, 147.023 |
| Yxy | 9.5379, 0.2768, 0.5142 |
| Android (android.graphics.Color) | 4278281515 (0xFF01652B) |
| YUV | 64.4880, -10.5936, -55.6790 |
| Hunter-Lab | 30.8835, -24.3695, 14.1772 |

Details

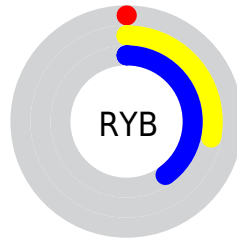
The CIELCh color **37, 47.009, 147.023** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **21, 44.181, 352.182**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 47.116, 147.034**, and **18, 37.921, 138.389** is the 20% darker color. If you saturate the color by 10%, you get **37, 47.487, 146.786**, and if you desaturate by 10%, it is **37, 43.686, 148.831**.

Distribution



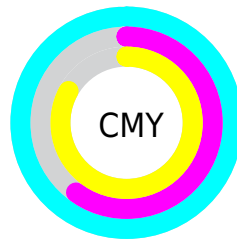
- Red (0%)
- Green (40%)
- Blue (17%)



- Red (0%)
- Yellow (28%)
- Blue (40%)



- Cyan (99%)
- Magenta (0%)
- Yellow (57%)
- Black (60%)




- Cyan (99%)
- Magenta (60%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 47.009, 147.023 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, 47.009, 147.023 by changing the saturation by 10% instead.

 37, 47.009,
147.023


 37, 47.009,
147.023

 100, 47.009,
147.023

 27, 47.009,
147.023

 57, 47.009,
147.023


 17, 47.009,
147.023


 67, 47.009,
147.023

 7, 47.009, 147.023

 77, 47.009,
147.023

 0, 47.009, 147.023

 87, 47.009,
147.023

 97, 47.009,
147.023

■ 37, 47.009,
147.023

■ 37, 47.009,
147.023

■ 37, 47.487,
146.786

■ 37, 43.686,
148.831

■ 37, 40.025,
150.652

■ 38, 35.886,
152.294

■ 38, 31.316,
153.755

■ 39, 26.387,
155.048

■ 39, 21.180,
156.191

■ 40, 15.783,
157.203

■ 41, 10.274,

158.106

■ 42, 4.725, 158.931

Harmonies

Complementary

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



37, 47.009, 147.023



21, 44.181, 352.182

Rectangle

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



37, 47.009, 147.023



37, 47.009, 197.023



37, 47.009, 327.023



37, 47.009, 17.023

Sweetspot

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



37, 47.009, 147.023



52, 20.684, 156.976



38, 52.987, 124.045



26, 13.975, 156.683



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, 47.009, 147.023



48, 58.463, 146.069



38, 27.147, 185.170



21, 3.125, 158.900



42, 52.288, 146.431



84, 93.544, 144.996

Inverse Universe

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



21, 44.181, 352.182



28, 53.613, 353.509



19, 47.964, 32.347



20, 3.150, 340.097



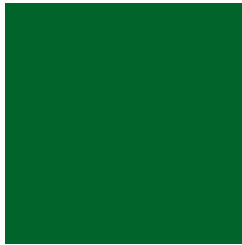
24, 48.450, 352.992



53, 83.186, 355.129

Previews

White Background



This preview shows how the CIELCh color 37, 47.009, 147.023 looks on a white background.

Color Contrast Check

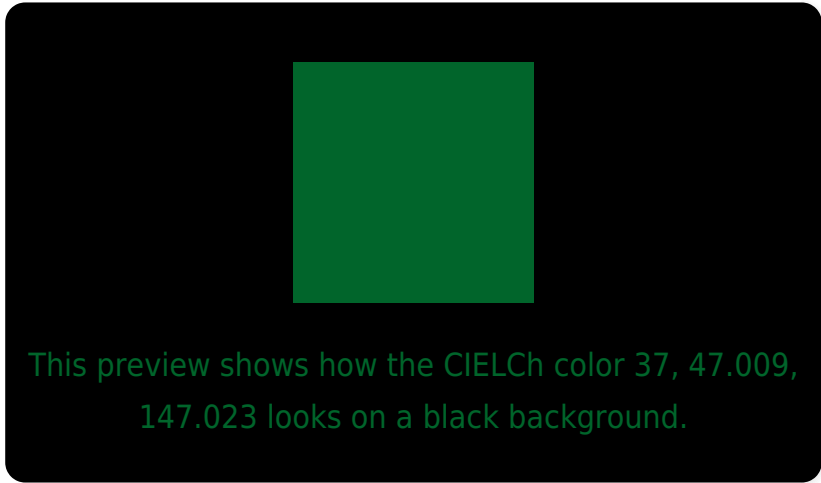
Large Text (above 18pt) WCAG AA ✓ Pass

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, 47.009, 147.023

Background



This preview shows how black text looks on a background with the CIELCh color 37, 47.009, 147.023.



This preview shows how white text looks on a background with the CIELCh color 37, 47.009, 147.023.

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, 47.009, 147.023

Protanopia
37, 29.081, 95.540

Deuteranopia
37, 24.473, 78.791



Tritanopia
37, 18.387, 213.058

Trichromacy



Original Color
37, 47.009, 147.023



Protanomaly
36, 33.332, 129.712



Deuteranomaly
35, 28.375, 126.964

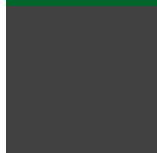


Tritanomaly
37, 26.078, 173.733

Monochromacy



Original Color
37, 47.009, 147.023



Achromatopsia
28, 0.004, 296.813



Achromatomaly
30, 20.349, 155.445

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 47.009, 147.023 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, 43)` looks like.

```
.text, #text, p{  
    color:rgb(1, 101, 43)  
}
```

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, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 101, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 47.009, 147.023 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, 43) }
```

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

```
.border{ border-color:rgb(1, 101, 43) }
```

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, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 101, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 101, 43);  
box-shadow:4px 4px 4px 4px rgb(1, 101, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 47.009, 147.023 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, 43) }
```

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

```
.background{ background-color: rgb(1, 101,  
43) }
```

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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