

Converting Colors

CIELCh(37, 45.986, 148.565)

Have a look what the booklet for
CIELCh(37, 45.986, 148.565)
contains.

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Color

CIELCh(37, 45.797, 148.430)

Conversions

Conversions Part 1

Format	Color
Hex	00652E
RGB	0, 101, 46
RGB Percent	0%, 40%, 18%
CMY	0.9988, 0.6033, 0.8191
CMYK	1.00, 0.00, 0.54, 0.60
HSL	147°, 99%, 20%
HSV	147°, 100%, 40%
XYZ	5.1686, 9.5379, 4.1678
YIQ	64.5310, -42.5410, -38.5170

Conversions

Conversions Part 2

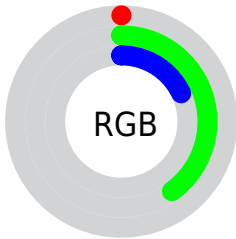
Format	Color
RYB	0, 69, 101
Decimal	25902
CIELab	37.00, -39.02, 23.98
CIELCh	37, 45.797, 148.430
Yxy	9.5379, 0.2738, 0.5053
Android (android.graphics.Color)	4278215982 (0xFF00652E)
YUV	64.5310, -9.1358, -56.5937
Hunter-Lab	30.8835, -24.1731, 13.6172

Details

The CIELCh color **37, 45.797, 148.430** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **20, 43.749, 355.402**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 45.827, 148.310**, and **18, 37.921, 138.389** is the 20% darker color. If you saturate the color by 10%, you get **37, 45.895, 148.379**, and if you desaturate by 10%, it is **37, 42.607, 150.235**.

Distribution



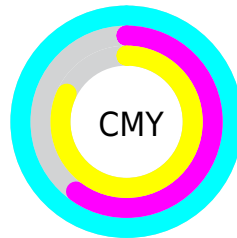
- Red (0%)
- Green (40%)
- Blue (18%)



- Red (0%)
- Yellow (27%)
- Blue (40%)



- Cyan (100%)
- Magenta (0%)
- Yellow (54%)
- Black (60%)





- Cyan (100%)
- Magenta (60%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 45.797, 148.430 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, 45.797, 148.430 by changing the saturation by 10% instead.


 37, 45.797,
148.430


 37, 45.797,
148.430

 100, 45.797,
148.430

 27, 45.797,
148.430

 57, 45.797,
148.430


 17, 45.797,
148.430

 67, 45.797,
148.430

 7, 45.797, 148.430

 77, 45.797,
148.430

 0, 45.797, 148.430

 87, 45.797,
148.430

 97, 45.797,
148.430

■ 37, 45.797,
148.430

■ 37, 45.797,
148.430

■ 37, 45.895,
148.379

■ 37, 42.607,
150.235

■ 37, 39.148,
152.095

■ 38, 35.224,
153.771

■ 38, 30.871,
155.265

■ 39, 26.154,
156.590

■ 39, 21.151,
157.763

■ 40, 15.943,
158.805

■ 41, 10.609,

159.739

■ 42, 5.218, 160.592

Harmonies

Complementary

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



37, 45.797, 148.430



20, 43.749, 355.402

Rectangle

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



37, 45.797, 148.430



37, 45.797, 198.430



37, 45.797, 328.430



37, 45.797, 18.430

Sweetspot

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



37, 45.797, 148.430



52, 20.107, 158.686



38, 53.893, 125.343



26, 13.581, 158.388



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, 45.797, 148.430



48, 56.528, 147.649



38, 26.409, 189.414



21, 3.043, 160.656



42, 50.560, 148.017



84, 90.439, 146.554

Inverse Universe

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



20, 43.749, 355.402



28, 52.903, 356.625



19, 48.988, 33.832



20, 3.072, 341.892



24, 47.790, 356.040



52, 82.193, 358.454

Previews

White Background



This preview shows how the CIELCh color 37, 45.797, 148.430 looks on a white background.

Color Contrast Check

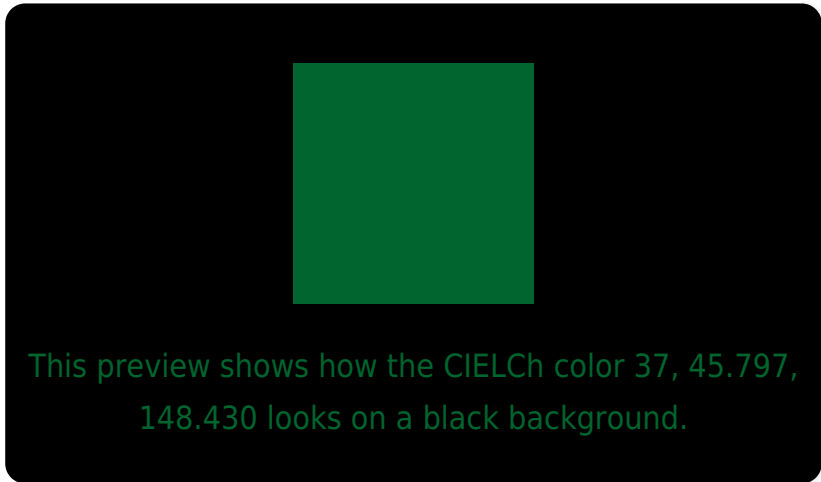
Large Text (above 18pt) WCAG AA ✓ Pass

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, 45.797, 148.430

Background



This preview shows how black text looks on a background with the CIELCh color 37, 45.797, 148.430.



This preview shows how white text looks on a background with the CIELCh color 37, 45.797, 148.430.

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, 45.797, 148.430

Protanopia
37, 27.360, 96.304

Deuteranopia
37, 22.873, 77.194



Tritanopia
37, 18.597, 212.853

Trichromacy



Original Color
37, 45.797, 148.430

Protanomaly
36, 32.030, 131.668

Deuteranomaly
36, 26.783, 128.387

Tritanomaly
37, 25.899, 175.055

Monochromacy



Original Color
37, 45.797, 148.430

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 20.162, 157.307

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 45.797, 148.430 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, 46)` looks like.

```
.text, #text, p{  
    color:rgb(0, 101, 46)  
}
```

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, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 101, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 45.797, 148.430 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, 46) }
```

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

```
.border{ border-color:rgb(0, 101, 46) }
```

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, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 101, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 101, 46);  
box-shadow:4px 4px 4px 4px rgb(0, 101, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 45.797, 148.430 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, 46) }
```

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

```
.background{ background-color: rgb(0, 101,  
46) }
```

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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