

Converting Colors

CIELCh(38, 37.804, 158.950)

Have a look what the booklet for
CIELCh(38, 37.804, 158.950)
contains.

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Color

CIELCh(38, 37.997, 158.662)

Conversions

Conversions Part 1

Format	Color
Hex	026742
RGB	2, 103, 66
RGB Percent	1%, 40%, 26%
CMY	0.9928, 0.5964, 0.7415
CMYK	0.98, 0.00, 0.36, 0.60
HSL	158°, 97%, 21%
HSV	158°, 98%, 40%
XYZ	5.8458, 10.0881, 6.7814
YIQ	68.5830, -48.3190, -32.9190

Conversions

Conversions Part 2

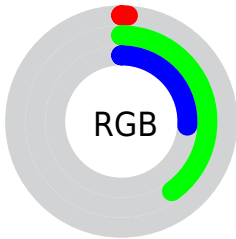
Format	Color
RYB	2, 64, 103
Decimal	157506
CIELab	38.00, -35.39, 13.83
CIELCh	38, 37.997, 158.662
Yxy	10.0881, 0.2574, 0.4441
Android (android.graphics.Color)	4278347586 (0xFF026742)
YUV	68.5830, -1.2734, -58.3933
Hunter-Lab	31.7617, -22.7294, 9.5742

Details

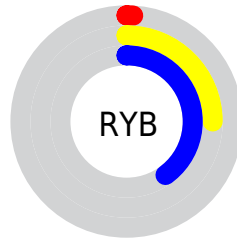
The CIELCh color **38, 37.997, 158.662** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **20, 43.070, 11.065**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 38.075, 158.567**, and **19, 29.954, 149.205** is the 20% darker color. If you saturate the color by 10%, you get **38, 38.430, 158.357**, and if you desaturate by 10%, it is **38, 35.576, 160.518**.

Distribution



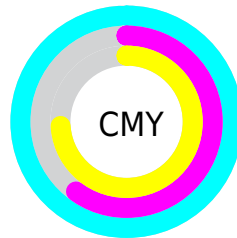
- Red (1%)
- Green (40%)
- Blue (26%)



- Red (1%)
- Yellow (25%)
- Blue (40%)



- Cyan (98%)
- Magenta (0%)
- Yellow (36%)
- Black (60%)





- Cyan (99%)
- Magenta (60%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 37.997, 158.662 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 38, 37.997, 158.662 by changing the saturation by 10% instead.


 38, 37.997,
158.662


 38, 37.997,
158.662

 100, 37.997,
158.662


 28, 37.997,
158.662

 58, 37.997,
158.662


 18, 37.997,
158.662


 68, 37.997,
158.662

 8, 37.997, 158.662

 78, 37.997,
158.662

 0, 37.997, 158.662

 88, 37.997,
158.662

 98, 37.997,
158.662

■ 38, 37.997,
158.662

■ 38, 37.997,
158.662

■ 38, 38.430,
158.357

■ 38, 35.576,
160.518

■ 38, 32.866,
162.330

■ 39, 29.711,
163.960

■ 39, 26.132,
165.421

■ 40, 22.178,
166.733

■ 40, 17.914,
167.918

■ 41, 13.411,
168.996

■ 42, 8.739, 169.987

Harmonies

Complementary

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



38, 37.997, 158.662



20, 43.070, 11.065

Rectangle

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



38, 37.997, 158.662



38, 37.997, 208.662



38, 37.997, 338.662



38, 37.997, 28.662

Sweetspot

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



38, 37.997, 158.662



52, 16.937, 168.832



38, 57.134, 130.953



26, 11.483, 168.512



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38, 37.997, 158.662



49, 46.592, 157.684



34, 22.438, 219.285



21, 2.685, 170.865



42, 41.730, 158.049



85, 74.256, 156.583

Inverse Universe

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



20, 43.070, 11.065



27, 52.369, 13.308



21, 48.308, 39.612



19, 2.737, 352.262



23, 47.111, 12.434



51, 82.495, 15.985

Previews

White Background



This preview shows how the CIELCh color 38, 37.997, 158.662 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 × Fail

Black Background



This preview shows how the CIELCh color 38, 37.997, 158.662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 38, 37.997, 158.662

Background



This preview shows how black text looks on a background with the CIELCh color 38, 37.997, 158.662.



This preview shows how white text looks on a background with the CIELCh color 38, 37.997, 158.662.

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


38, 37.997, 158.662

Protanopia

38, 18.054, 95.172

Deuteranopia

38, 13.314, 66.989



Tritanopia
38, 19.879, 211.644

Trichromacy



Original Color
38, 37.997, 158.662

Protanomaly
37, 24.037, 142.205

Deuteranomaly
37, 17.872, 144.947

Tritanomaly
38, 24.822, 183.363

Monochromacy



Original Color
38, 37.997, 158.662

Achromatopsia
29, 0.005, 296.813

Achromatomaly
31, 17.553, 166.434

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 37.997, 158.662 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(2, 103, 66)` looks like.

```
.text, #text, p{  
    color:rgb(2, 103, 66)  
}
```

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(2, 103, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 103, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 37.997, 158.662 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(2, 103, 66) }
```

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

```
.border{ border-color:rgb(2, 103, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 103, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 103, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 103, 66);  
box-shadow:4px 4px 4px 4px rgb(2, 103, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 37.997, 158.662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 103, 66) }
```

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

```
.background{ background-color: rgb(2, 103,  
66) }
```

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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