

Converting Colors

CIELCh(32, 131.763, 176.283)

Have a look what the booklet for
CIELCh(32, 131.763, 176.283)
contains.

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Color

CIELCh(38, 40.647, 154.855)

Conversions

Conversions Part 1

Format	Color
Hex	03673C
RGB	3, 103, 60
RGB Percent	1%, 40%, 24%
CMY	0.9901, 0.5952, 0.7643
CMYK	0.98, 0.00, 0.42, 0.60
HSL	154°, 95%, 21%
HSV	154°, 98%, 40%
XYZ	5.7221, 10.0881, 5.9351
YIQ	68.1980, -45.7970, -34.5730

Conversions

Conversions Part 2

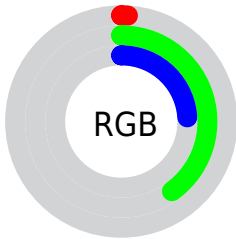
Format	Color
R_{YB}	3, 67, 103
Decimal	223036
CIE _{Lab}	38.00, -36.80, 17.27
CIE _{LCh}	38, 40.647, 154.855
Yxy	10.0881, 0.2631, 0.4639
Android (android.graphics.Color)	4278413116 (0xFF03673C)
YUV	68.1980, -4.0416, -57.1786
Hunter-Lab	31.7617, -23.4250, 11.1540

Details

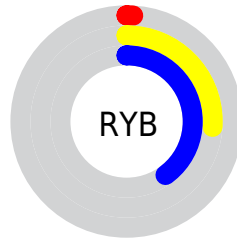
The CIELCh color **38, 40.647, 154.855** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **21, 42.878, 5.199**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 40.495, 155.035**, and **19, 32.776, 144.964** is the 20% darker color. If you saturate the color by 10%, you get **38, 41.314, 154.429**, and if you desaturate by 10%, it is **38, 37.909, 156.754**.

Distribution



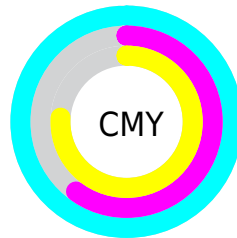
- Red (1%)
- Green (40%)
- Blue (24%)



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



- Cyan (98%)
- Magenta (0%)
- Yellow (42%)
- Black (60%)




- Cyan (99%)
- Magenta (60%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 40.647, 154.855 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, 40.647, 154.855 by changing the saturation by 10% instead.


 38, 40.647,
154.855

 38, 40.647,
154.855

 100, 40.647,
154.855


 28, 40.647,
154.855

 58, 40.647,
154.855


 18, 40.647,
154.855


 68, 40.647,
154.855

 8, 40.647, 154.855

 78, 40.647,
154.855

 0, 40.647, 154.855

 88, 40.647,
154.855

 98, 40.647,
154.855

■ 38, 40.647,
154.855

■ 38, 40.647,
154.855

■ 38, 41.314,
154.429

■ 38, 37.909,
156.754

■ 38, 34.849,
158.591

■ 39, 31.342,
160.241

■ 39, 27.418,
161.715

■ 40, 23.132,
163.031

■ 40, 18.555,
164.212

■ 41, 13.761,
165.277

■ 42, 8.823, 166.248

Harmonies

Complementary

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



38, 40.647, 154.855



21, 42.878, 5.199

Rectangle

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



38, 40.647, 154.855



38, 40.647, 204.855



38, 40.647, 334.855



38, 40.647, 24.855

Sweetspot

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



38, 40.647, 154.855



53, 18.029, 165.043



38, 55.954, 129.160



27, 12.427, 164.708



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



38, 40.647, 154.855



49, 50.777, 153.706



37, 23.616, 206.893



21, 2.799, 167.042



42, 44.787, 154.125



85, 79.904, 152.634

Inverse Universe

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



21, 42.878, 5.199



28, 52.680, 7.530



20, 49.173, 37.569



19, 2.842, 348.396



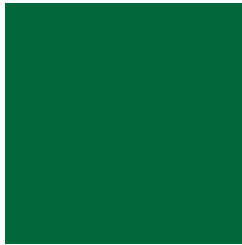
23, 46.826, 6.640



52, 81.361, 9.882

Previews

White Background



This preview shows how the CIELCh color 38, 40.647, 154.855 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 CIE LCh color 38, 40.647, 154.855 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, 40.647, 154.855

Background



This preview shows how black text looks on a background with the CIELCh color 38, 40.647, 154.855.



This preview shows how white text looks on a background with the CIELCh color 38, 40.647, 154.855.

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, 40.532, 154.836

Protanopia

38, 21.069, 94.956

Deuteranopia

38, 16.626, 73.184



Tritanopia
38, 19.495, 211.977

Trichromacy



Original Color
38, 40.532, 154.836

Protanomaly
37, 26.343, 137.822

Deuteranomaly
36, 20.713, 138.046

Tritanomaly
38, 25.235, 180.634

Monochromacy



Original Color
38, 40.532, 154.836

Achromatopsia
29, 0.005, 296.813

Achromatomaly
31, 18.351, 163.192

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 40.647, 154.855 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(3, 103, 60)` looks like.

```
.text, #text, p{  
    color:rgb(3, 103, 60)  
}
```

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(3, 103, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 103, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 40.647, 154.855 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(3, 103, 60) }
```

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

```
.border{ border-color:rgb(3, 103, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 103, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 103, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 103, 60);  
box-shadow:4px 4px 4px 4px rgb(3, 103, 60)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 40.647, 154.855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 103, 60) }
```

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

```
.background{ background-color: rgb(3, 103,  
60) }
```

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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