

Converting Colors

CIELCh(35, 68.344, 173.650)

Have a look what the booklet for
CIELCh(35, 68.344, 173.650)
contains.

CIELCh(38, 36.871, 160.870)	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(38, 36.871, 160.870)

Conversions

Conversions Part 1

Format	Color
Hex	006745
RGB	0, 103, 69
RGB Percent	0%, 40%, 27%
CMY	1.0000, 0.5968, 0.7301
CMYK	1.00, 0.00, 0.33, 0.60
HSL	160°, 100%, 20%
HSV	160°, 100%, 40%
XYZ	5.8955, 10.0881, 7.2386
YIQ	68.3270, -50.4740, -32.4100

Conversions

Conversions Part 2

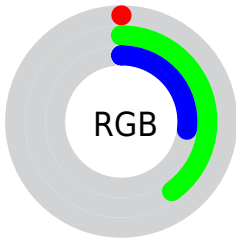
Format	Color
RYB	0, 62, 103
Decimal	26437
CIELab	38.00, -34.83, 12.08
CIELCh	38, 36.871, 160.870
Yxy	10.0881, 0.2539, 0.4344
Android (android.graphics.Color)	4278216517 (0xFF006745)
YUV	68.3270, 0.3318, -59.9228
Hunter-Lab	31.7617, -22.4503, 8.7209

Details

The CIELCh color **38, 36.871, 160.870** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **20, 43.860, 14.931**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 37.110, 160.699**, and **19, 28.497, 151.688** is the 20% darker color. If you saturate the color by 10%, you get **38, 36.841, 160.842**, and if you desaturate by 10%, it is **38, 34.604, 162.629**.

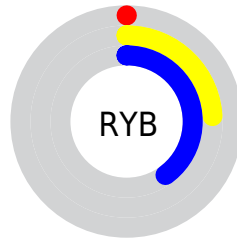
Distribution



Red (0%)

Green (40%)

Blue (27%)



Red (0%)

Yellow (24%)

Blue (40%)

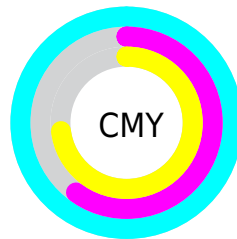


Cyan (100%)

Magenta (0%)

Yellow (33%)

Black (60%)



Cyan (100%)


Magenta (60%)


Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 36.871, 160.870 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, 36.871, 160.870 by changing the saturation by 10% instead.


 38, 36.871,
160.870


 38, 36.871,
160.870

 100, 36.871,
160.870


 28, 36.871,
160.870

 58, 36.871,
160.870


 18, 36.871,
160.870


 68, 36.871,
160.870

 8, 36.871, 160.870

 78, 36.871,
160.870

 0, 36.871, 160.870

 88, 36.871,
160.870

 98, 36.871,
160.870

■ 38, 36.871,
160.870

■ 38, 36.871,
160.870

■ 38, 36.841,
160.842

■ 38, 34.604,
162.629

■ 38, 32.158,
164.435

■ 39, 29.264,
166.062

■ 39, 25.936,
167.524

■ 40, 22.217,
168.841

■ 40, 18.165,
170.033

■ 41, 13.850,
171.122

■ 42, 9.342, 172.127

Harmonies

Complementary

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



38, 36.871, 160.870



20, 43.860, 14.931

Rectangle

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



38, 36.871, 160.870



38, 36.871, 210.870



38, 36.871, 340.870



38, 36.871, 30.870

Sweetspot

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



38, 36.841, 160.842



52, 17.050, 171.035



38, 58.211, 131.725



26, 11.487, 170.722



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, 36.841, 160.842



49, 44.661, 160.181



33, 22.345, 226.348



21, 2.625, 173.182



42, 40.020, 160.539



85, 71.081, 159.101

Inverse Universe

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



20, 43.860, 14.931



27, 52.889, 16.604



21, 48.396, 40.958



19, 2.684, 354.594



23, 47.524, 15.697



51, 83.617, 19.362

Previews

White Background



This preview shows how the CIELCh color 38, 36.871, 160.870 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, 36.871, 160.870 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, 36.871, 160.870

Background



This preview shows how black text looks on a background with the CIELCh color 38, 36.871, 160.870.



This preview shows how white text looks on a background with the CIELCh color 38, 36.871, 160.870.

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, 36.871, 160.870

Protanopia
38, 16.188, 95.880

Deuteranopia
38, 11.580, 63.224



Tritanopia
38, 20.065, 211.488

Trichromacy



Original Color
38, 36.871, 160.870

Protanomaly
37, 22.791, 145.496

Deuteranomaly
36, 17.149, 148.346

Tritanomaly
38, 24.843, 184.833

Monochromacy



Original Color
38, 36.871, 160.870

Achromatopsia
29, 0.005, 296.813

Achromatomaly
31, 17.461, 168.626

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 36.871, 160.870 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, 103, 69)` looks like.

```
.text, #text, p{  
    color:rgb(0, 103, 69)  
}
```

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, 103, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 103, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 36.871, 160.870 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, 103, 69) }
```

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

```
.border{ border-color:rgb(0, 103, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 103, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 103, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 103, 69);  
box-shadow:4px 4px 4px 4px rgb(0, 103, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 36.871, 160.870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 103, 69) }
```

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

```
.background{ background-color: rgb(0, 103,  
69) }
```

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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