

Converting Colors

CIELCh(37, 43.345, 171.969)

Have a look what the booklet for
CIELCh(37, 43.345, 171.969)
contains.

CIELCh(38, 33.979, 166.237)	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, 33.979, 166.237)

Conversions

Conversions Part 1

Format	Color
Hex	00664B
RGB	0, 102, 75
RGB Percent	0%, 40%, 29%
CMY	1.0000, 0.5984, 0.7041
CMYK	1.00, 0.00, 0.26, 0.60
HSL	164°, 100%, 20%
HSV	164°, 100%, 40%
XYZ	6.0607, 10.0881, 8.3643
YIQ	68.4240, -52.1250, -30.0210

Conversions

Conversions Part 2

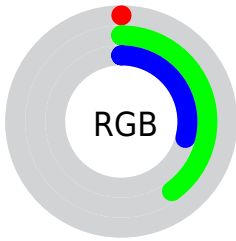
Format	Color
RYB	0, 59, 102
Decimal	26187
CIELab	38.00, -33.00, 8.08
CIELCh	38, 33.979, 166.237
Yxy	10.0881, 0.2472, 0.4115
Android (android.graphics.Color)	4278216267 (0xFF00664B)
YUV	68.4240, 3.2420, -60.0078
Hunter-Lab	31.7617, -21.5220, 6.6195

Details

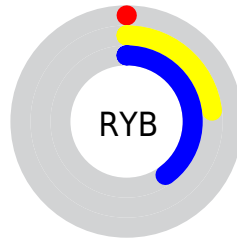
The CIELCh color **38, 33.979, 166.237** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **20, 44.809, 20.856**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 33.936, 166.186**, and **19, 25.440, 157.152** is the 20% darker color. If you saturate the color by 10%, you get **38, 33.879, 166.157**, and if you desaturate by 10%, it is **38, 31.994, 167.830**.

Distribution



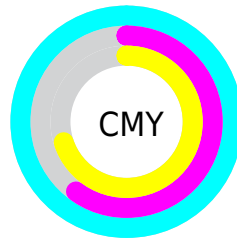
- Red (0%)
- Green (40%)
- Blue (29%)



- Red (0%)
- Yellow (23%)
- Blue (40%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (60%)





- Cyan (100%)
- Magenta (60%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 33.979, 166.237 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, 33.979, 166.237 by changing the saturation by 10% instead.


 38, 33.979,
166.237


 38, 33.979,
166.237

 100, 33.979,
166.237


 28, 33.979,
166.237

 58, 33.979,
166.237


 18, 33.979,
166.237


 68, 33.979,
166.237

 8, 33.979, 166.237

 78, 33.979,
166.237

 0, 33.979, 166.237

 88, 33.979,
166.237

 98, 33.979,
166.237

■ 38, 33.979,
166.237

■ 38, 33.979,
166.237

■ 38, 33.879,
166.157

■ 38, 31.994,
167.830

■ 38, 29.901,
169.512

■ 39, 27.354,
171.031

■ 39, 24.363,
172.403

■ 40, 20.965,
173.648

■ 40, 17.215,
174.786

■ 41, 13.178,
175.837

■ 42, 8.921, 176.819

Harmonies

Complementary

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



38, 33.979, 166.237



20, 44.809, 20.856

Rectangle

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



38, 33.979, 166.237



38, 33.979, 216.237



38, 33.979, 346.237



38, 33.979, 36.237

Sweetspot

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



38, 33.879, 166.157



52, 16.270, 175.751



38, 58.960, 133.039



26, 10.949, 175.448



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, 33.879, 166.157



49, 41.111, 165.531



31, 22.778, 240.075



21, 2.525, 177.866



43, 36.878, 165.864



85, 65.222, 164.521

Inverse Universe

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



20, 44.809, 20.856



27, 54.415, 22.616



22, 47.012, 43.857



19, 2.595, 359.276



23, 48.787, 21.681



51, 86.604, 25.412

Previews

White Background



This preview shows how the CIELCh color 38, 33.979, 166.237 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, 33.979, 166.237 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, 33.979, 166.237

Background



This preview shows how black text looks on a background with the CIELCh color 38, 33.979, 166.237.

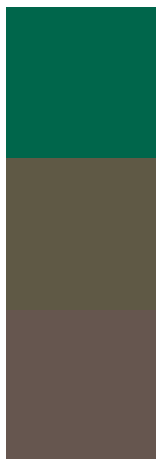


This preview shows how white text looks on a background with the CIELCh color 38, 33.979, 166.237.

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, 33.839, 166.045

Protanopia
38, 12.532, 95.459

Deuteranopia
38, 8.408, 50.714



Tritanopia
38, 20.424, 211.192

Trichromacy



Original Color
38, 33.839, 166.045

Protanomaly
37, 20.187, 152.417

Deuteranomaly
37, 14.272, 160.220

Tritanomaly
38, 24.253, 189.088

Monochromacy



Original Color
38, 33.839, 166.045

Achromatopsia
29, 0.005, 296.813

Achromatomaly
32, 16.112, 173.792

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 33.979, 166.237 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, 102, 75)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 75)  
}
```

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, 102, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 33.979, 166.237 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, 102, 75) }
```

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

```
.border{ border-color:rgb(0, 102, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 102, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 75);  
box-shadow:4px 4px 4px 4px rgb(0, 102, 75)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 33.979, 166.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 102, 75) }
```

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

```
.background{ background-color: rgb(0, 102,  
75) }
```

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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