

Converting Colors

CIELCh(34, 83.417, 180.727)

Have a look what the booklet for
CIELCh(34, 83.417, 180.727)
contains.

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Color

CIELCh(38, 32.414, 169.701)

Conversions

Conversions Part 1

Format	Color
Hex	00664F
RGB	0, 102, 79
RGB Percent	0%, 40%, 31%
CMY	1.0000, 0.5994, 0.6894
CMYK	1.00, 0.00, 0.22, 0.60
HSL	167°, 100%, 20%
HSV	167°, 100%, 40%
XYZ	6.1624, 10.0881, 9.0581
YIQ	68.8800, -53.4090, -28.7770

Conversions

Conversions Part 2

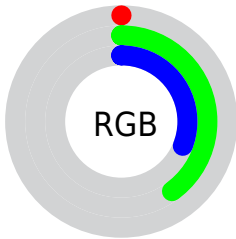
Format	Color
RYB	0, 57, 102
Decimal	26191
CIELab	38.00, -31.89, 5.80
CIELCh	38, 32.414, 169.701
Yxy	10.0881, 0.2435, 0.3986
Android (android.graphics.Color)	4278216271 (0xFF00664F)
YUV	68.8800, 4.9892, -60.4078
Hunter-Lab	31.7617, -20.9501, 5.3243

Details

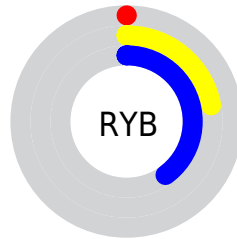
The CIELCh color **38, 32.414, 169.701** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **20, 45.577, 24.070**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 32.332, 169.244**, and **19, 23.530, 161.815** is the 20% darker color. If you saturate the color by 10%, you get **38, 32.270, 169.596**, and if you desaturate by 10%, it is **38, 30.584, 171.168**.

Distribution



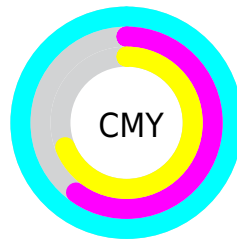
- Red (0%)
- Green (40%)
- Blue (31%)



- Red (0%)
- Yellow (22%)
- Blue (40%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (60%)





- Cyan (100%)
- Magenta (60%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 32.414, 169.701 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, 32.414, 169.701 by changing the saturation by 10% instead.


 38, 32.414,
169.701


 38, 32.414,
169.701

 100, 32.414,
169.701


 28, 32.414,
169.701

 58, 32.414,
169.701


 18, 32.414,
169.701


 68, 32.414,
169.701

 8, 32.414, 169.701

 78, 32.414,
169.701

 0, 32.414, 169.701

 88, 32.414,
169.701

 98, 32.414,
169.701

■ 38, 32.414,
169.701

■ 38, 32.414,
169.701

■ 38, 32.270,
169.596

■ 38, 30.584,
171.168

■ 38, 28.689,
172.743

■ 39, 26.336,
174.167

■ 39, 23.530,
175.459

■ 40, 20.308,
176.638

■ 40, 16.720,
177.724

■ 41, 12.831,
178.735

■ 42, 8.706, 179.688

Harmonies

Complementary

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



38, 32.414, 169.701



20, 45.577, 24.070

Rectangle

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



38, 32.414, 169.701



38, 32.414, 219.701



38, 32.414, 349.701



38, 32.414, 39.701

Sweetspot

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



38, 32.270, 169.596



52, 15.871, 178.651



37, 59.261, 133.592



26, 10.673, 178.359



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, 32.270, 169.596



49, 39.178, 169.006



29, 23.430, 246.715



21, 2.475, 180.714



43, 35.169, 169.317



86, 62.022, 168.060

Inverse Universe

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



20, 45.577, 24.070



27, 55.572, 25.840



22, 46.267, 45.592



19, 2.553, 2.100



23, 49.767, 24.912



51, 88.730, 28.580

Previews

White Background



This preview shows how the CIE LCh color 38, 32.414, 169.701 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, 32.414, 169.701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

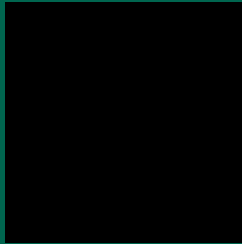
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 32.414, 169.701

Background



This preview shows how black text looks on a background with the CIELCh color 38, 32.414, 169.701.



This preview shows how white text looks on a background with the CIELCh color 38, 32.414, 169.701.

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, 32.268, 169.522

Protanopia

38, 10.162, 93.034

Deuteranopia

38, 6.890, 35.649



Tritanopia
38, 20.596, 211.053

Trichromacy



Original Color
38, 32.268, 169.522

Protanomaly
37, 18.399, 157.542

Deuteranomaly
37, 13.070, 169.374

Tritanomaly
38, 24.165, 190.560

Monochromacy



Original Color
38, 32.268, 169.522

Achromatopsia
29, 0.005, 296.813

Achromatomaly
32, 15.487, 177.936

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 32.414, 169.701 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, 79)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 79)  
}
```

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, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 32.414, 169.701 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, 79) }
```

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

```
.border{ border-color:rgb(0, 102, 79) }
```

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, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 79);  
box-shadow:4px 4px 4px 4px rgb(0, 102, 79)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 32.414, 169.701 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, 79) }
```

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

```
.background{ background-color: rgb(0, 102,  
79) }
```

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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