

Converting Colors

CIELCh(41, 36.544, 164.434)

Have a look what the booklet for
CIELCh(41, 36.544, 164.434)
contains.

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Color

CIELCh(41, 36.613, 164.548)

Conversions

Conversions Part 1

Format	Color
Hex	006F50
RGB	0, 111, 80
RGB Percent	0%, 44%, 31%
CMY	0.9993, 0.5661, 0.6876
CMYK	1.00, 0.00, 0.28, 0.57
HSL	163°, 100%, 22%
HSV	163°, 100%, 43%
XYZ	7.0822, 11.8645, 9.4408
YIQ	74.2770, -56.2050, -33.1730

Conversions

Conversions Part 2

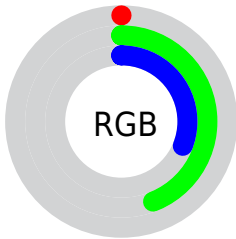
Format	Color
RYB	0, 65, 111
Decimal	28496
CIELab	41.00, -35.29, 9.75
CIELCh	41, 36.613, 164.548
Yxy	11.8645, 0.2495, 0.4179
Android (android.graphics.Color)	4278218576 (0xFF006F50)
YUV	74.2770, 2.8214, -65.1409
Hunter-Lab	34.4449, -23.5775, 7.8610

Details

The CIELCh color **41, 36.613, 164.548** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **22, 47.056, 19.879**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 37.111, 164.260**, and **22, 28.422, 155.925** is the 20% darker color. If you saturate the color by 10%, you get **41, 36.644, 164.522**, and if you desaturate by 10%, it is **41, 34.583, 166.317**.

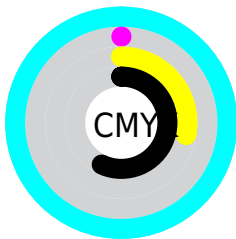
Distribution



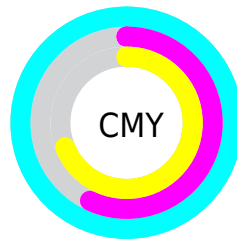
- Red (0%)
- Green (44%)
- Blue (31%)



- Red (0%)
- Yellow (25%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (57%)





- Cyan (100%)
- Magenta (57%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 36.613, 164.548 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 41, 36.613, 164.548 by changing the saturation by 10% instead.


 41, 36.613,
164.548


 41, 36.613,
164.548


 100, 36.613,
164.548


 31, 36.613,
164.548

 61, 36.613,
164.548


 21, 36.613,
164.548

 71, 36.613,
164.548


 11, 36.613,
164.548


 81, 36.613,
164.548

 1, 36.613, 164.548

 91, 36.613,
164.548

 0, 36.613, 164.548

 41, 36.613,

 41, 36.613,

164.548

164.548

■ 41, 36.644,
164.522

■ 41, 34.583,
166.317

■ 41, 32.288,
168.064

■ 42, 29.508,
169.639

■ 42, 26.253,
171.058

■ 43, 22.563,
172.341

■ 43, 18.498,
173.510

■ 44, 14.131,
174.585

■ 45, 9.534, 175.585

Harmonies

Complementary

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



41, 36.613, 164.548



22, 47.056, 19.879

Rectangle

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



41, 36.613, 164.548



41, 36.613, 214.548



41, 36.613, 344.548



41, 36.613, 34.548

Sweetspot

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



41, 36.613, 164.547



56, 17.482, 174.488



41, 62.082, 132.857



28, 11.777, 174.159



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



41, 36.613, 164.547



52, 44.423, 163.929



34, 23.819, 237.018



23, 2.761, 176.622



44, 38.911, 164.322



87, 67.771, 163.030

Inverse Universe

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



22, 47.056, 19.879



29, 57.080, 21.561



24, 50.697, 43.499



22, 2.835, 358.073



24, 50.010, 20.488



52, 87.150, 24.000

Previews

White Background



This preview shows how the CIE LCh color 41, 36.613, 164.548 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 41, 36.613, 164.548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

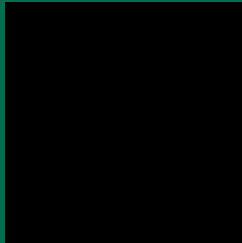
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 36.613, 164.548

Background



This preview shows how black text looks on a background with the CIELCh color 41, 36.613, 164.548.



This preview shows how white text looks on a background with the CIELCh color 41, 36.613, 164.548.

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


41, 36.685, 164.605

Protanopia

41, 14.231, 95.051

Deuteranopia

41, 9.374, 55.438



Tritanopia
41, 21.476, 212.012

Trichromacy



Original Color
41, 36.685, 164.605

Protanomaly
40, 21.605, 150.006

Deuteranomaly
39, 15.954, 156.928

Tritanomaly
41, 25.678, 188.203

Monochromacy



Original Color
41, 36.685, 164.605

Achromatopsia
31, 0.005, 296.813

Achromatomaly
34, 17.236, 173.359

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 36.613, 164.548 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, 111, 80)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 80)  
}
```

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, 111, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 36.613, 164.548 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, 111, 80) }
```

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

```
.border{ border-color:rgb(0, 111, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 111, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 80);  
box-shadow:4px 4px 4px 4px rgb(0, 111, 80)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 36.613, 164.548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 111, 80) }
```

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

```
.background{ background-color: rgb(0, 111,  
80) }
```

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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