

Converting Colors

CIELCh(41, 36.758, 164.480)

Have a look what the booklet for
CIELCh(41, 36.758, 164.480)
contains.

CIELCh(41, 36.685, 164.605)	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(41, 36.685, 164.605)

Conversions

Conversions Part 1

Format	Color
Hex	006F50
RGB	0, 111, 80
RGB Percent	0%, 44%, 31%
CMY	1.0000, 0.5660, 0.6875
CMYK	1.00, 0.00, 0.28, 0.57
HSL	163°, 100%, 22%
HSV	163°, 100%, 43%
XYZ	7.0742, 11.8645, 9.4459
YIQ	74.2770, -56.2050, -33.1730

Conversions

Conversions Part 2

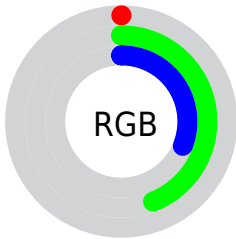
Format	Color
RYB	0, 65, 111
Decimal	28496
CIELab	41.00, -35.37, 9.74
CIELCh	41, 36.685, 164.605
Yxy	11.8645, 0.2492, 0.4180
Android (android.graphics.Color)	4278218576 (0xFF006F50)
YUV	74.2770, 2.8214, -65.1409
Hunter-Lab	34.4449, -23.6189, 7.8522

Details

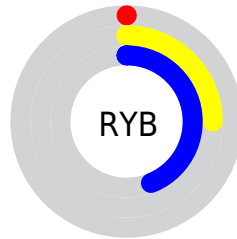
The CIELCh color **41, 36.685, 164.605** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **22, 47.127, 19.983**, and the grayscale version is **31, 0.005, 296.813**.

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, 36.630, 164.561**, and if you desaturate by 10%, it is **41, 34.602, 166.327**.

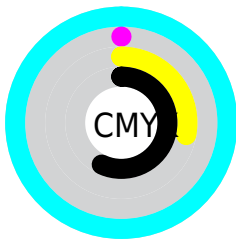
Distribution



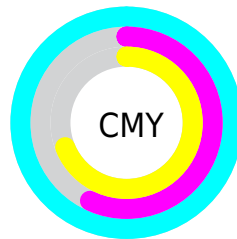
- Red (0%)
- Green (44%)
- Blue (31%)



- 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, 36.685, 164.605 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, 36.685, 164.605 by changing the saturation by 10% instead.


 41, 36.685,
164.605


 41, 36.685,
164.605


 100, 36.685,
164.605


 31, 36.685,
164.605

 61, 36.685,
164.605


 21, 36.685,
164.605

 71, 36.685,
164.605


 11, 36.685,
164.605


 81, 36.685,
164.605

 1, 36.685, 164.605

 91, 36.685,
164.605

 0, 36.685, 164.605

 41, 36.685,

 41, 36.685,

164.605

164.605

■ 41, 36.630,
164.561

■ 41, 34.602,
166.327

■ 41, 32.317,
168.076

■ 42, 29.546,
169.652

■ 42, 26.300,
171.072

■ 43, 22.617,
172.357

■ 43, 18.560,
173.527

■ 44, 14.198,
174.603

■ 45, 9.604, 175.604

Harmonies

Complementary

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



41, 36.685, 164.605



22, 47.127, 19.983

Rectangle

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



41, 36.685, 164.605



41, 36.685, 214.605



41, 36.685, 344.605



41, 36.685, 34.605

Sweetspot

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



41, 36.630, 164.561



56, 17.476, 174.522



41, 62.144, 132.855



28, 11.773, 174.193



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, 36.630, 164.561



52, 44.397, 163.969



34, 23.837, 237.067



23, 2.761, 176.656



44, 38.889, 164.361



87, 67.729, 163.070

Inverse Universe

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



22, 47.127, 19.983



29, 57.093, 21.603



24, 50.775, 43.505



22, 2.835, 358.106



24, 50.021, 20.530



52, 87.173, 24.042

Previews

White Background



This preview shows how the CIELCh color 41, 36.685, 164.605 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 41, 36.685, 164.605 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, 36.685, 164.605

Background



This preview shows how black text looks on a background with the CIELCh color 41, 36.685, 164.605.



This preview shows how white text looks on a background with the CIELCh color 41, 36.685, 164.605.

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, 36.685, 164.605 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, 36.685, 164.605 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, 36.685, 164.605 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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