

Converting Colors

CIELCh(39, 51.484, 171.916)

Have a look what the booklet for
CIELCh(39, 51.484, 171.916)
contains.

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Color

CIELCh(41, 36.550, 164.420)

Conversions

Conversions Part 1

Format	Color
Hex	016F50
RGB	1, 111, 80
RGB Percent	0%, 44%, 31%
CMY	0.9946, 0.5662, 0.6880
CMYK	0.99, 0.00, 0.28, 0.57
HSL	163°, 98%, 22%
HSV	163°, 99%, 43%
XYZ	7.0905, 11.8645, 9.4210
YIQ	74.5760, -55.6090, -32.9610

Conversions

Conversions Part 2

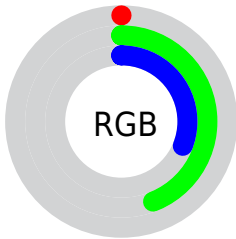
Format	Color
R_{YB}	1, 65, 111
Decimal	94032
CIE Lab	41.00, -35.21, 9.82
CIE LCh	41, 36.550, 164.420
Yxy	11.8645, 0.2499, 0.4181
Android (android.graphics.Color)	4278284112 (0xFF016F50)
YUV	74.5760, 2.6740, -64.5262
Hunter-Lab	34.4449, -23.5343, 7.8951

Details

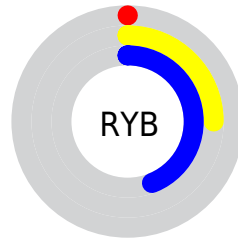
The CIELCh color **41, 36.550, 164.420** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **22, 46.599, 19.098**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 36.904, 164.083**, and **22, 28.422, 155.925** is the 20% darker color. If you saturate the color by 10%, you get **41, 36.809, 164.209**, and if you desaturate by 10%, it is **41, 34.495, 166.213**.

Distribution



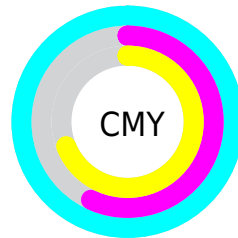
- Red (0%)
- Green (44%)
- Blue (31%)



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



- Cyan (99%)
- Magenta (0%)
- Yellow (28%)
- Black (57%)





- Cyan (99%)
- Magenta (57%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 36.550, 164.420 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, 36.550, 164.420 by changing the saturation by 10% instead.


 41, 36.550,
164.420


 41, 36.550,
164.420


 100, 36.550,
164.420


 31, 36.550,
164.420

 61, 36.550,
164.420


 21, 36.550,
164.420

 71, 36.550,
164.420

 11, 36.550,
164.420

 81, 36.550,
164.420

 1, 36.550, 164.420

 91, 36.550,
164.420

 0, 36.550, 164.420

 41, 36.550,

 41, 36.550,

164.420

164.420

■ 41, 36.809,
164.209

■ 41, 34.495,
166.213

■ 41, 32.127,
167.948

■ 42, 29.273,
169.512

■ 42, 25.949,
170.920

■ 43, 22.197,
172.194

■ 43, 18.079,
173.355

■ 44, 13.668,
174.423

■ 45, 9.037, 175.419

Harmonies

Complementary

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



41, 36.550, 164.420



22, 46.599, 19.098

Rectangle

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



41, 36.550, 164.420



41, 36.550, 214.420



41, 36.550, 344.420



41, 36.550, 34.420

Sweetspot

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



41, 36.550, 164.419



56, 17.528, 174.213



41, 61.458, 132.542



28, 11.808, 173.883



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, 36.550, 164.419



52, 44.637, 163.612



35, 23.541, 233.231



23, 2.767, 176.350



44, 39.096, 164.007



87, 68.109, 162.709

Inverse Universe

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



22, 46.599, 19.098



29, 56.976, 21.222



24, 50.531, 42.725



22, 2.840, 357.801



24, 49.926, 20.150



52, 86.962, 23.662

Previews

White Background



This preview shows how the CIE LCh color 41, 36.550, 164.420 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, 36.550, 164.420 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, 36.550, 164.420

Background



This preview shows how black text looks on a background with the CIELCh color 41, 36.550, 164.420.



This preview shows how white text looks on a background with the CIELCh color 41, 36.550, 164.420.

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, 36.613, 164.548

Protanopia

41, 14.231, 95.051

Deuteranopia

41, 9.374, 55.438



Tritanopia
41, 21.476, 212.012

Trichromacy



Original Color
41, 36.613, 164.548

Protanomaly
40, 21.605, 150.006

Deuteranomaly
39, 15.663, 156.076

Tritanomaly
41, 25.678, 188.203

Monochromacy



Original Color
41, 36.613, 164.548

Achromatopsia
31, 0.005, 296.813

Achromatomaly
34, 16.943, 172.974

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 36.550, 164.420 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(1, 111, 80)` looks like.

```
.text, #text, p{  
    color:rgb(1, 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(1, 111, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 111, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 36.550, 164.420 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(1, 111, 80) }
```

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

```
.border{ border-color:rgb(1, 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(1, 111, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 111, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 111, 80);  
box-shadow:4px 4px 4px 4px rgb(1, 111, 80)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 36.550, 164.420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 111, 80) }
```

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

```
.background{ background-color: rgb(1, 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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