

Converting Colors

CIELCh(41, 35.541, 166.186)

Have a look what the booklet for
CIELCh(41, 35.541, 166.186)
contains.

CIELCh(41, 35.207, 166.610)	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, 35.207, 166.610)

Conversions

Conversions Part 1

Format	Color
Hex	036E52
RGB	3, 110, 82
RGB Percent	1%, 43%, 32%
CMY	0.9888, 0.5672, 0.6771
CMYK	0.97, 0.00, 0.25, 0.57
HSL	164°, 95%, 22%
HSV	164°, 97%, 43%
XYZ	7.1877, 11.8645, 9.9626
YIQ	74.8150, -54.7840, -31.3920

Conversions

Conversions Part 2

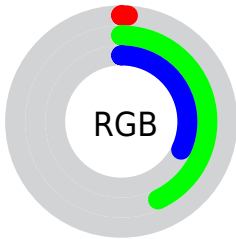
Format	Color
RYB	3, 65, 110
Decimal	224850
CIELab	41.00, -34.25, 8.15
CIELCh	41, 35.207, 166.610
Yxy	11.8645, 0.2477, 0.4089
Android (android.graphics.Color)	4278414930 (0xFF036E52)
YUV	74.8150, 3.5422, -62.9818
Hunter-Lab	34.4449, -23.0308, 6.9628

Details

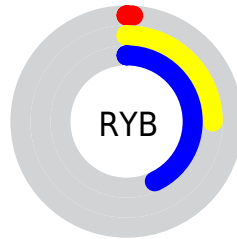
The CIELCh color **41, 35.207, 166.610** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **22, 46.519, 20.574**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 35.072, 166.505**, and **22, 26.867, 158.523** is the 20% darker color. If you saturate the color by 10%, you get **41, 35.709, 166.181**, and if you desaturate by 10%, it is **41, 33.271, 168.362**.

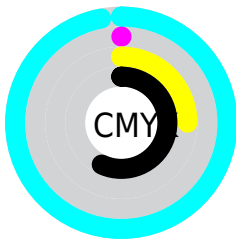
Distribution



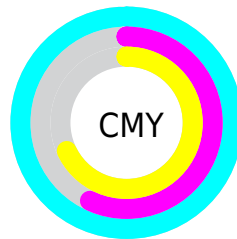
- Red (1%)
- Green (43%)
- Blue (32%)



- Red (1%)
- Yellow (25%)
- Blue (43%)



- Cyan (97%)
- Magenta (0%)
- Yellow (25%)
- Black (57%)





- Cyan (99%)
- Magenta (57%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 35.207, 166.610 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, 35.207, 166.610 by changing the saturation by 10% instead.


 41, 35.207,
166.610


 41, 35.207,
166.610


 100, 35.207,
166.610


 31, 35.207,
166.610

 61, 35.207,
166.610


 21, 35.207,
166.610

 71, 35.207,
166.610


 11, 35.207,
166.610


 81, 35.207,
166.610

 1, 35.207, 166.610

 91, 35.207,
166.610

 0, 35.207, 166.610

 41, 35.207,

 41, 35.207,

166.610

166.610

■ 41, 35.709,
166.181

■ 41, 33.271,
168.362

■ 41, 30.970,
170.022

■ 42, 28.180,
171.518

■ 42, 24.919,
172.870

■ 43, 21.232,
174.097

■ 43, 17.180,
175.221

■ 44, 12.836,
176.262

■ 45, 8.271, 177.238

Harmonies

Complementary

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



41, 35.207, 166.610



22, 46.519, 20.574

Rectangle

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



41, 35.207, 166.610



41, 35.207, 216.610



41, 35.207, 346.610



41, 35.207, 36.610

Sweetspot

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



41, 35.207, 166.609



56, 16.708, 176.023



40, 61.378, 133.181



28, 11.316, 175.692



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, 35.207, 166.609



53, 43.341, 165.598



33, 23.781, 239.626



23, 2.731, 178.035



44, 37.979, 165.980



87, 66.062, 164.721

Inverse Universe

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



22, 46.519, 20.574



29, 57.650, 23.271



24, 49.155, 44.242



22, 2.809, 359.480



24, 50.473, 22.196



52, 88.160, 25.702

Previews

White Background



This preview shows how the CIE LCh color 41, 35.207, 166.610 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, 35.207, 166.610 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, 35.207, 166.610

Background



This preview shows how black text looks on a background with the CIELCh color 41, 35.207, 166.610.



This preview shows how white text looks on a background with the CIELCh color 41, 35.207, 166.610.

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, 35.134, 166.555

Protanopia

41, 12.479, 93.607

Deuteranopia

41, 8.665, 49.290



Tritanopia
41, 21.648, 211.874

Trichromacy



Original Color
41, 35.134, 166.555

Protanomaly
40, 19.957, 152.630

Deuteranomaly
39, 14.411, 161.253

Tritanomaly
41, 25.457, 189.551

Monochromacy



Original Color
41, 35.134, 166.555

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 16.605, 174.915

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 35.207, 166.610 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(3, 110, 82)` looks like.

```
.text, #text, p{  
    color:rgb(3, 110, 82)  
}
```

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(3, 110, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 110, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 35.207, 166.610 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(3, 110, 82) }
```

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

```
.border{ border-color:rgb(3, 110, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 110, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 110, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 110, 82);  
box-shadow:4px 4px 4px 4px rgb(3, 110, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 35.207, 166.610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 110, 82) }
```

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

```
.background{ background-color: rgb(3, 110,  
82) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor