

Converting Colors

CIELCh(37, 34.673, 162.497)

Have a look what the booklet for
CIELCh(37, 34.673, 162.497)
contains.

CIELCh(37, 34.882, 162.158)	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(37, 34.882, 162.158)

Conversions

Conversions Part 1

Format	Color
Hex	046445
RGB	4, 100, 69
RGB Percent	2%, 39%, 27%
CMY	0.9855, 0.6084, 0.7299
CMYK	0.96, 0.00, 0.31, 0.61
HSL	161°, 93%, 20%
HSV	161°, 96%, 39%
XYZ	5.6593, 9.5379, 7.1508
YIQ	67.7620, -47.2650, -29.9930

Conversions

Conversions Part 2

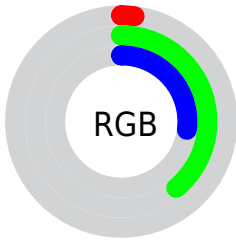
Format	Color
R_YB	4, 61, 100
Decimal	287813
CIE Lab	37.00, -33.20, 10.69
CIE LCh	37, 34.882, 162.158
Yxy	9.5379, 0.2532, 0.4268
Android (android.graphics.Color)	4278477893 (0xFF046445)
YUV	67.7620, 0.6103, -55.9193
Hunter-Lab	30.8835, -21.3368, 7.8903

Details

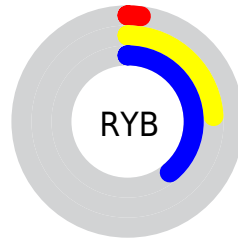
The CIELCh color **37, 34.882, 162.158** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **20, 41.938, 14.081**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 35.159, 161.782**, and **18, 26.645, 153.325** is the 20% darker color. If you saturate the color by 10%, you get **37, 35.692, 161.535**, and if you desaturate by 10%, it is **37, 32.698, 163.969**.

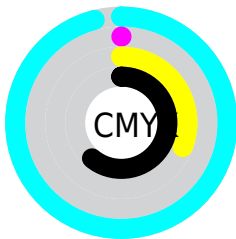
Distribution



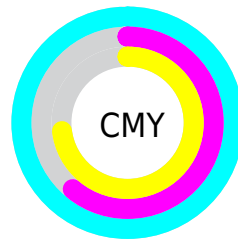
- Red (2%)
- Green (39%)
- Blue (27%)



- Red (2%)
- Yellow (24%)
- Blue (39%)



- Cyan (96%)
- Magenta (0%)
- Yellow (31%)
- Black (61%)





- Cyan (99%)
- Magenta (61%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 34.882, 162.158 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 37, 34.882, 162.158 by changing the saturation by 10% instead.


 37, 34.882,
162.158


 37, 34.882,
162.158

 100, 34.882,
162.158

 27, 34.882,
162.158

 57, 34.882,
162.158


 17, 34.882,
162.158


 67, 34.882,
162.158

 7, 34.882, 162.158

 77, 34.882,
162.158

 0, 34.882, 162.158

 87, 34.882,
162.158

 97, 34.882,
162.158

■ 37, 34.882,
162.158

■ 37, 34.882,
162.158

■ 37, 35.692,
161.535

■ 37, 32.698,
163.969

■ 37, 30.178,
165.686

■ 38, 27.222,
167.231

■ 38, 23.857,
168.621

■ 39, 20.129,
169.877

■ 39, 16.102,
171.019

■ 40, 11.841,
172.067

■ 41, 7.414, 173.043

Harmonies

Complementary

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



37, 34.882, 162.158



20, 41.938, 14.081

Rectangle

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



37, 34.882, 162.158



37, 34.882, 212.158



37, 34.882, 342.158



37, 34.882, 32.158

Sweetspot

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



37, 34.882, 162.157



51, 16.151, 171.703



37, 55.715, 131.689



26, 11.117, 171.379



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



37, 34.882, 162.157



48, 43.567, 160.838



32, 21.623, 225.393



21, 2.612, 173.737



42, 39.626, 161.149



85, 70.347, 159.720

Inverse Universe

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



20, 41.938, 14.081



26, 52.277, 17.246



21, 45.690, 40.551



19, 2.672, 355.151



23, 47.646, 16.449



51, 83.926, 20.134

Previews

White Background



This preview shows how the CIELCh color 37, 34.882, 162.158 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 37, 34.882, 162.158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 37, 34.882, 162.158

Background



This preview shows how black text looks on a background with the CIELCh color 37, 34.882, 162.158.



This preview shows how white text looks on a background with the CIELCh color 37, 34.882, 162.158.

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

37, 34.882, 162.158

Protanopia

37, 15.064, 95.150

Deuteranopia

37, 10.044, 62.169



Tritanopia
37, 19.799, 209.851

Trichromacy



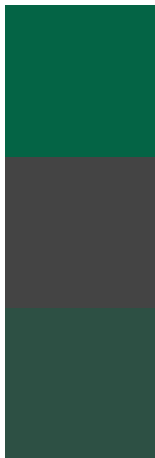
Original Color
37, 34.882, 162.158

Protanomaly
36, 21.382, 145.865

Deuteranomaly
36, 15.980, 150.042

Tritanomaly
37, 23.592, 187.323

Monochromacy



Original Color
37, 34.882, 162.158

Achromatopsia
29, 0.005, 296.813

Achromatomaly
31, 16.230, 168.948

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 34.882, 162.158 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(4, 100, 69)` looks like.

```
.text, #text, p{  
    color:rgb(4, 100, 69)  
}
```

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(4, 100, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 100, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 34.882, 162.158 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(4, 100, 69) }
```

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

```
.border{ border-color:rgb(4, 100, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 100, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 100, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 100, 69);  
box-shadow:4px 4px 4px 4px rgb(4, 100, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 34.882, 162.158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 100, 69) }
```

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

```
.background{ background-color: rgb(4, 100,  
69) }
```

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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