

Converting Colors

CIELCh(35, 43.030, 174.381)

Have a look what the booklet for
CIELCh(35, 43.030, 174.381)
contains.

CIELCh(36, 31.682, 168.782)	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(36, 31.682, 168.782)

Conversions

Conversions Part 1

Format	Color
Hex	00614A
RGB	0, 97, 74
RGB Percent	0%, 38%, 29%
CMY	1.0000, 0.6200, 0.7100
CMYK	1.00, 0.00, 0.24, 0.62
HSL	166°, 100%, 19%
HSV	166°, 100%, 38%
XYZ	5.4716, 9.0082, 7.9214
YIQ	65.3750, -50.4290, -27.7170

Conversions

Conversions Part 2

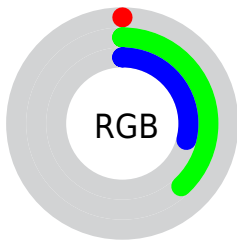
Format	Color
RYB	0, 55, 97
Decimal	24906
CIELab	36.00, -31.08, 6.16
CIELCh	36, 31.682, 168.782
Yxy	9.0082, 0.2443, 0.4021
Android (android.graphics.Color)	4278214986 (0xFF00614A)
YUV	65.3750, 4.2521, -57.3339
Hunter-Lab	30.0136, -19.9826, 5.3614

Details

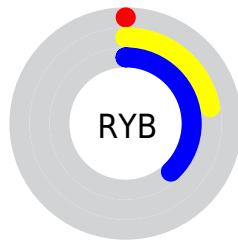
The CIELCh color **36, 31.682, 168.782** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **18, 43.538, 22.668**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 31.149, 169.116**, and **17, 22.806, 159.976** is the 20% darker color. If you saturate the color by 10%, you get **36, 31.492, 168.635**, and if you desaturate by 10%, it is **36, 29.769, 170.200**.

Distribution



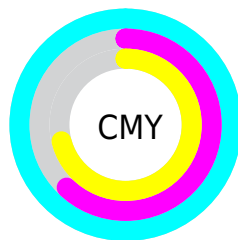
- Red (0%)
- Green (38%)
- Blue (29%)



- Red (0%)
- Yellow (22%)
- Blue (38%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (62%)





- Cyan (100%)
- Magenta (62%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 31.682, 168.782 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 36, 31.682, 168.782 by changing the saturation by 10% instead.


 36, 31.682,
168.782


 36, 31.682,
168.782

 100, 31.682,
168.782


 26, 31.682,
168.782

 56, 31.682,
168.782


 16, 31.682,
168.782


 66, 31.682,
168.782

 6, 31.682, 168.782

 76, 31.682,
168.782

 0, 31.682, 168.782

 86, 31.682,
168.782

 96, 31.682,
168.782

■ 36, 31.682,
168.782

■ 36, 31.682,
168.782

■ 36, 31.492,
168.635

■ 36, 29.769,
170.200

■ 36, 27.874,
171.792

■ 37, 25.543,
173.232

■ 37, 22.787,
174.537

■ 38, 19.639,
175.727

■ 38, 16.150,
176.821

■ 39, 12.381,
177.838

■ 39, 8.393, 178.794

Harmonies

Complementary

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



36, 31.682, 168.782



18, 43.538, 22.668

Rectangle

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



36, 31.682, 168.782



36, 31.682, 218.782



36, 31.682, 348.782



36, 31.682, 38.782

Sweetspot

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



36, 31.492, 168.635



49, 15.236, 177.752



35, 56.854, 133.239



25, 10.415, 177.462



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



36, 31.492, 168.635



46, 38.035, 168.016



28, 22.175, 243.097



20, 2.385, 179.825



42, 35.100, 168.262



85, 62.488, 166.935

Inverse Universe

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



18, 43.538, 22.668



25, 52.747, 24.491



21, 44.359, 44.377



18, 2.456, 1.201



22, 48.611, 23.770



50, 87.316, 27.587

Previews

White Background



This preview shows how the CIELCh color 36, 31.682, 168.782 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 CIELCh color 36, 31.682, 168.782 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 36, 31.682, 168.782

Background



This preview shows how black text looks on a background with the CIELCh color 36, 31.682, 168.782.



This preview shows how white text looks on a background with the CIELCh color 36, 31.682, 168.782.

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
36, 31.536, 168.591

Protanopia
36, 10.728, 96.043

Deuteranopia
36, 7.026, 46.140



Tritanopia
36, 19.677, 211.890

Trichromacy



Original Color
36, 31.536, 168.591

Protanomaly
35, 17.980, 155.974

Deuteranomaly
35, 12.887, 165.401

Tritanomaly
36, 22.742, 191.766

Monochromacy



Original Color
36, 31.536, 168.591

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 15.545, 175.231

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 31.682, 168.782 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, 97, 74)` looks like.

```
.text, #text, p{  
    color:rgb(0, 97, 74)  
}
```

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, 97, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 97, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 31.682, 168.782 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, 97, 74) }
```

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

```
.border{ border-color:rgb(0, 97, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 97, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 97, 74); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 97, 74); box-shadow:4px  
4px 4px 4px rgb(0, 97, 74) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 31.682, 168.782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 97, 74) }
```

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

```
.background{ background-color: rgb(0, 97,  
74) }
```

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