

Converting Colors

CIELCh(36, 30.386, 171.476)

Have a look what the booklet for
CIELCh(36, 30.386, 171.476)
contains.

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Color

CIELCh(36, 30.386, 171.476)

Conversions

Conversions Part 1

Format	Color
Hex	00614D
RGB	0, 97, 77
RGB Percent	0%, 38%, 30%
CMY	1.0000, 0.6210, 0.6994
CMYK	1.00, 0.00, 0.21, 0.62
HSL	168°, 100%, 19%
HSV	168°, 100%, 38%
XYZ	5.5593, 9.0082, 8.4032
YIQ	65.7170, -51.3920, -26.7840

Conversions

Conversions Part 2

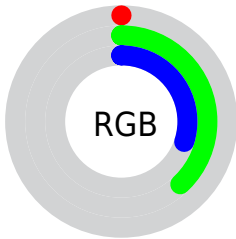
Format	Color
RYB	0, 54, 97
Decimal	24909
CIELab	36.00, -30.05, 4.50
CIELCh	36, 30.386, 171.476
Yxy	9.0082, 0.2420, 0.3922
Android (android.graphics.Color)	4278214989 (0xFF00614D)
YUV	65.7170, 5.5625, -57.6338
Hunter-Lab	30.0136, -19.4608, 4.4096

Details

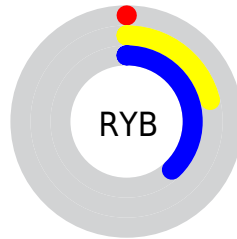
The CIELCh color **36, 30.386, 171.476** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **18, 44.121, 25.046**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 30.159, 171.844**, and **17, 21.381, 164.061** is the 20% darker color. If you saturate the color by 10%, you get **36, 30.323, 171.431**, and if you desaturate by 10%, it is **36, 28.746, 172.905**.

Distribution



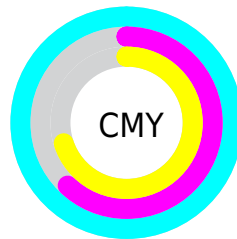
- Red (0%)
- Green (38%)
- Blue (30%)



- Red (0%)
- Yellow (21%)
- Blue (38%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (62%)





- Cyan (100%)
- Magenta (62%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 30.386, 171.476 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, 30.386, 171.476 by changing the saturation by 10% instead.


 36, 30.386,
171.476


 36, 30.386,
171.476

 100, 30.386,
171.476


 26, 30.386,
171.476

 56, 30.386,
171.476


 16, 30.386,
171.476


 66, 30.386,
171.476

 6, 30.386, 171.476

 76, 30.386,
171.476

 0, 30.386, 171.476

 86, 30.386,
171.476

 96, 30.386,
171.476

■ 36, 30.386,
171.476

■ 36, 30.386,
171.476

■ 36, 30.323,
171.431

■ 36, 28.746,
172.905

■ 36, 26.995,
174.400

■ 37, 24.805,
175.755

■ 37, 22.184,
176.989

■ 37, 19.164,
178.119

■ 38, 15.793,
179.165

■ 39, 12.131,
180.144

■ 39, 8.239, 181.072

Harmonies

Complementary

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



36, 30.386, 171.476



18, 44.121, 25.046

Rectangle

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



36, 30.386, 171.476



36, 30.386, 221.476



36, 30.386, 351.476



36, 30.386, 41.476

Sweetspot

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



36, 30.323, 171.431



49, 14.958, 180.059



35, 57.124, 133.766



25, 10.219, 179.780



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, 30.323, 171.431



46, 36.653, 170.845



27, 22.918, 249.555



20, 2.350, 182.080



42, 33.839, 171.075



85, 60.100, 169.830

Inverse Universe

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



18, 44.121, 25.046



25, 53.659, 26.900



21, 43.642, 46.254



18, 2.427, 3.429



22, 49.420, 26.190



50, 89.045, 29.921

Previews

White Background



This preview shows how the CIELCh color 36, 30.386, 171.476 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, 30.386, 171.476 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, 30.386, 171.476

Background



This preview shows how black text looks on a background with the CIELCh color 36, 30.386, 171.476.



This preview shows how white text looks on a background with the CIELCh color 36, 30.386, 171.476.

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, 30.386, 171.476

Protanopia

36, 8.824, 96.848

Deuteranopia

36, 5.895, 32.222



Tritanopia
36, 20.020, 211.594

Trichromacy



Original Color
36, 30.386, 171.476

Protanomaly
35, 16.686, 160.516

Deuteranomaly
35, 12.177, 173.430

Tritanomaly
36, 22.811, 193.362

Monochromacy



Original Color
36, 30.386, 171.476

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 15.233, 177.385

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 30.386, 171.476 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, 77)` looks like.

```
.text, #text, p{  
    color:rgb(0, 97, 77)  
}
```

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, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 97, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 30.386, 171.476 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, 77) }
```

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

```
.border{ border-color:rgb(0, 97, 77) }
```

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, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 97, 77); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 97, 77); box-shadow:4px  
4px 4px 4px rgb(0, 97, 77) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 30.386, 171.476 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, 77) }
```

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

```
.background{ background-color: rgb(0, 97,  
77) }
```

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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