

Converting Colors

CIELCh(36, 31.179, 172.971)

Have a look what the booklet for
CIELCh(36, 31.179, 172.971)
contains.

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Color

CIELCh(36, 30.015, 172.484)

Conversions

Conversions Part 1

Format	Color
Hex	00614E
RGB	0, 97, 78
RGB Percent	0%, 38%, 31%
CMY	1.0000, 0.6213, 0.6957
CMYK	1.00, 0.00, 0.20, 0.62
HSL	168°, 100%, 19%
HSV	168°, 100%, 38%
XYZ	5.5846, 9.0082, 8.5754
YIQ	65.8310, -51.7130, -26.4730

Conversions

Conversions Part 2

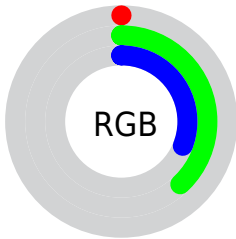
Format	Color
RYB	0, 54, 97
Decimal	24910
CIELab	36.00, -29.76, 3.93
CIELCh	36, 30.015, 172.484
Yxy	9.0082, 0.2410, 0.3888
Android (android.graphics.Color)	4278214990 (0xFF00614E)
YUV	65.8310, 5.9993, -57.7338
Hunter-Lab	30.0136, -19.3107, 4.0693

Details

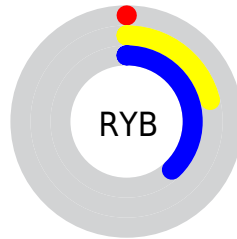
The CIELCh color **36, 30.015, 172.484** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **18, 44.327, 25.791**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 29.841, 172.792**, and **17, 20.920, 165.538** is the 20% darker color. If you saturate the color by 10%, you get **36, 29.940, 172.432**, and if you desaturate by 10%, it is **36, 28.412, 173.870**.

Distribution



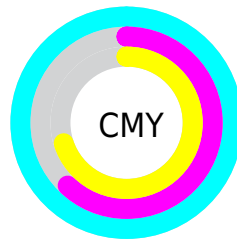
- Red (0%)
- Green (38%)
- Blue (31%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (62%)





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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 30.015, 172.484 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, 30.015, 172.484 by changing the saturation by 10% instead.


 36, 30.015,
172.484

 36, 30.015,
172.484

 100, 30.015,
172.484

 26, 30.015,
172.484

 56, 30.015,
172.484


 16, 30.015,
172.484


 66, 30.015,
172.484

 6, 30.015, 172.484

 76, 30.015,
172.484

 0, 30.015, 172.484

 86, 30.015,
172.484

 96, 30.015,
172.484

■ 36, 30.015,
172.484

■ 36, 30.015,
172.484

■ 36, 29.940,
172.432

■ 36, 28.412,
173.870

■ 36, 26.709,
175.328

■ 37, 24.566,
176.650

■ 37, 21.990,
177.855

■ 37, 19.011,
178.962

■ 38, 15.679,
179.989

■ 39, 12.052,
180.952

■ 39, 8.190, 181.868

Harmonies

Complementary

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



36, 30.015, 172.484



18, 44.327, 25.791

Rectangle

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



36, 30.015, 172.484



36, 30.015, 222.484



36, 30.015, 352.484



36, 30.015, 42.484

Sweetspot

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



36, 29.940, 172.432



49, 14.868, 180.869



35, 57.270, 134.006



25, 10.155, 180.593



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, 29.940, 172.432



46, 36.194, 171.861



27, 23.398, 252.652



20, 2.339, 182.867



42, 33.421, 172.085



85, 59.307, 170.872

Inverse Universe

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



18, 44.327, 25.791



25, 53.991, 27.695



22, 43.312, 47.267



18, 2.418, 4.205



22, 49.717, 26.989



50, 89.660, 30.679

Previews

White Background



This preview shows how the CIELCh color 36, 30.015, 172.484 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, 30.015, 172.484 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, 30.015, 172.484

Background



This preview shows how black text looks on a background with the CIELCh color 36, 30.015, 172.484.



This preview shows how white text looks on a background with the CIELCh color 36, 30.015, 172.484.

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, 30.015, 172.484

Protanopia

36, 8.824, 96.848

Deuteranopia

36, 5.324, 26.756



Tritanopia
36, 20.020, 211.594

Trichromacy



Original Color
36, 30.015, 172.484

Protanomaly
35, 16.686, 160.516

Deuteranomaly
35, 11.876, 176.092

Tritanomaly
36, 22.811, 193.362

Monochromacy



Original Color
36, 30.015, 172.484

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 14.636, 179.299

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 30.015, 172.484 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, 78)` looks like.

```
.text, #text, p{  
    color:rgb(0, 97, 78)  
}
```

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, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 97, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 30.015, 172.484 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, 78) }
```

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

```
.border{ border-color:rgb(0, 97, 78) }
```

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, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 97, 78); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 97, 78); box-shadow:4px  
4px 4px 4px rgb(0, 97, 78) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 30.015, 172.484 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, 78) }
```

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

```
.background{ background-color: rgb(0, 97,  
78) }
```

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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