

Converting Colors

CIELCh(36, 37.610, 157.166)

Have a look what the booklet for
CIELCh(36, 37.610, 157.166)
contains.

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Color

CIELCh(36, 37.887, 156.987)

Conversions

Conversions Part 1

Format	Color
Hex	00623C
RGB	0, 98, 60
RGB Percent	0%, 38%, 24%
CMY	0.9982, 0.6168, 0.7657
CMYK	1.00, 0.00, 0.39, 0.62
HSL	157°, 99%, 19%
HSV	157°, 100%, 38%
XYZ	5.1552, 9.0082, 5.7060
YIQ	64.3660, -46.2100, -32.5940

Conversions

Conversions Part 2

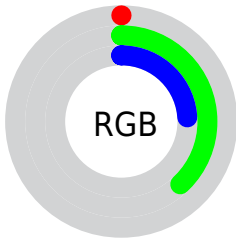
Format	Color
RYB	0, 61, 98
Decimal	25148
CIELab	36.00, -34.87, 14.81
CIELCh	36, 37.887, 156.987
Yxy	9.0082, 0.2595, 0.4534
Android (android.graphics.Color)	4278215228 (0xFF00623C)
YUV	64.3660, -2.1524, -56.4490
Hunter-Lab	30.0136, -21.8641, 9.7376

Details

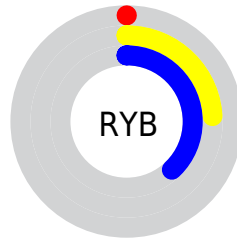
The CIELCh color **36, 37.887, 156.987** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **19, 41.728, 8.945**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 37.952, 157.061**, and **17, 29.802, 146.588** is the 20% darker color. If you saturate the color by 10%, you get **36, 38.002, 156.910**, and if you desaturate by 10%, it is **36, 35.405, 158.786**.

Distribution



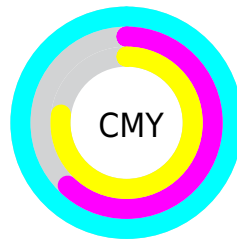
- Red (0%)
- Green (38%)
- Blue (24%)



- Red (0%)
- Yellow (24%)
- Blue (38%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (62%)





- Cyan (100%)
- Magenta (62%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 37.887, 156.987 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, 37.887, 156.987 by changing the saturation by 10% instead.


 36, 37.887,
156.987


 36, 37.887,
156.987

 100, 37.887,
156.987


 26, 37.887,
156.987

 56, 37.887,
156.987


 16, 37.887,
156.987


 66, 37.887,
156.987

 6, 37.887, 156.987

 76, 37.887,
156.987

 0, 37.887, 156.987

 86, 37.887,
156.987

 96, 37.887,
156.987

■ 36, 37.887,
156.987

■ 36, 37.887,
156.987

■ 36, 38.002,
156.910

■ 36, 35.405,
158.786

■ 36, 32.723,
160.620

■ 37, 29.616,
162.270

■ 37, 26.105,
163.749

■ 38, 22.236,
165.075

■ 38, 18.071,
166.268

■ 39, 13.678,
167.349

■ 40, 9.125, 168.340

Harmonies

Complementary

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



36, 37.887, 156.987



19, 41.728, 8.945

Rectangle

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



36, 37.887, 156.987



36, 37.887, 206.987



36, 37.887, 336.987



36, 37.887, 26.987

Sweetspot

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



36, 37.887, 156.987



50, 17.262, 167.207



36, 54.955, 130.017



25, 11.635, 166.907



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, 37.887, 156.987



47, 46.523, 156.167



34, 22.174, 212.957



20, 2.612, 169.333



41, 42.199, 156.503



84, 75.842, 154.976

Inverse Universe

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



19, 41.728, 8.945



26, 50.657, 10.783



19, 47.031, 38.228



18, 2.659, 350.697



22, 46.178, 10.017



51, 81.259, 13.567

Previews

White Background



This preview shows how the CIELCh color 36, 37.887, 156.987 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, 37.887, 156.987 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, 37.887, 156.987

Background



This preview shows how black text looks on a background with the CIELCh color 36, 37.887, 156.987.



This preview shows how white text looks on a background with the CIELCh color 36, 37.887, 156.987.

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, 37.971, 157.071

Protanopia

36, 19.265, 96.897

Deuteranopia

36, 13.970, 68.326



Tritanopia
36, 18.921, 210.584

Trichromacy



Original Color
36, 37.971, 157.071

Protanomaly
35, 24.985, 139.829

Deuteranomaly
35, 18.575, 140.683

Tritanomaly
36, 24.390, 181.441

Monochromacy



Original Color
36, 37.971, 157.071

Achromatopsia
27, 0.004, 296.813

Achromatomaly
29, 17.087, 165.112

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 37.887, 156.987 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, 98, 60)` looks like.

```
.text, #text, p{  
    color:rgb(0, 98, 60)  
}
```

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, 98, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 98, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 37.887, 156.987 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, 98, 60) }
```

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

```
.border{ border-color:rgb(0, 98, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 98, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 98, 60); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 98, 60); box-shadow:4px  
4px 4px 4px rgb(0, 98, 60) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 37.887, 156.987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 98, 60) }
```

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

```
.background{ background-color: rgb(0, 98,  
60) }
```

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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