

Converting Colors

CIELCh(37, 30.376, 166.739)

Have a look what the booklet for
CIELCh(37, 30.376, 166.739)
contains.

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Color

CIELCh(37, 30.446, 166.581)

Conversions

Conversions Part 1

Format	Color
Hex	13634B
RGB	19, 99, 75
RGB Percent	7%, 39%, 29%
CMY	0.9264, 0.6123, 0.7064
CMYK	0.81, 0.00, 0.24, 0.61
HSL	162°, 68%, 23%
HSV	162°, 81%, 39%
XYZ	5.9772, 9.5379, 8.1576
YIQ	72.3440, -39.9760, -24.4240

Conversions

Conversions Part 2

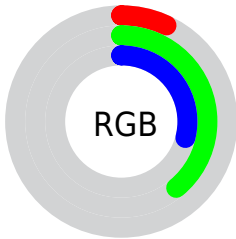
Format	Color
R_{YB}	19, 66, 99
Decimal	1270603
CIE _{Lab}	37.00, -29.61, 7.07
CIE _{LCh}	37, 30.446, 166.581
Yxy	9.5379, 0.2525, 0.4029
Android (android.graphics.Color)	4279460683 (0xFF13634B)
YUV	72.3440, 1.3094, -46.7827
Hunter-Lab	30.8835, -19.4993, 5.9575

Details

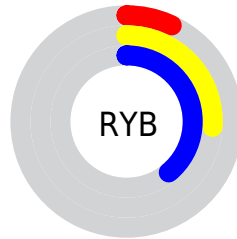
The CIELCh color **37, 30.446, 166.581** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **21, 37.331, 9.981**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 30.078, 167.069**, and **18, 23.574, 159.487** is the 20% darker color. If you saturate the color by 10%, you get **37, 32.636, 164.822**, and if you desaturate by 10%, it is **37, 27.825, 168.169**.

Distribution



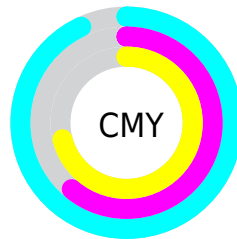
- Red (7%)
- Green (39%)
- Blue (29%)



- Red (7%)
- Yellow (26%)
- Blue (39%)



- Cyan (81%)
- Magenta (0%)
- Yellow (24%)
- Black (61%)





- Cyan (93%)
- Magenta (61%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 30.446, 166.581 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, 30.446, 166.581 by changing the saturation by 10% instead.


 37, 30.446,
166.581


 37, 30.446,
166.581

 100, 30.446,
166.581


 27, 30.446,
166.581

 57, 30.446,
166.581


 17, 30.446,
166.581


 67, 30.446,
166.581

 7, 30.446, 166.581

 77, 30.446,
166.581

 0, 30.446, 166.581

 87, 30.446,
166.581

 97, 30.446,
166.581

■ 37, 30.446,
166.581

■ 37, 30.446,
166.581

■ 37, 32.636,
164.822

■ 37, 27.825,
168.169

■ 37, 34.480,
163.293

■ 38, 24.779,
169.600

■ 38, 21.346,
170.894

■ 39, 17.578,
172.069

■ 39, 13.541,
173.148

■ 40, 9.300, 174.148

■ 41, 4.918, 175.096

■ 42, 0.450, 176.538

Harmonies

Complementary

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



37, 30.446, 166.581



21, 37.331, 9.981

Rectangle

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



37, 30.446, 166.581



37, 30.446, 216.581



37, 30.446, 346.581



37, 30.446, 36.581

Sweetspot

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



37, 30.446, 166.580



51, 13.039, 173.787



37, 50.197, 132.265



25, 8.850, 173.542



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



37, 30.446, 166.580



47, 41.062, 163.177



32, 20.155, 227.858



20, 2.468, 175.301



42, 37.908, 162.944



84, 67.790, 161.498

Inverse Universe

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



21, 37.331, 9.981



26, 50.960, 17.857



23, 37.674, 41.936



18, 2.528, 356.698



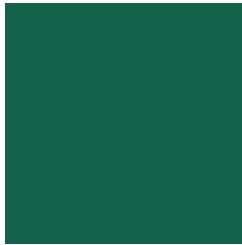
22, 47.236, 18.340



51, 84.167, 22.179

Previews

White Background



This preview shows how the CIELCh color 37, 30.446, 166.581 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, 30.446, 166.581 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, 30.446, 166.581

Background



This preview shows how black text looks on a background with the CIELCh color 37, 30.446, 166.581.



This preview shows how white text looks on a background with the CIELCh color 37, 30.446, 166.581.

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, 30.446, 166.581

Protanopia
37, 11.285, 96.618

Deuteranopia
37, 7.310, 50.330



Tritanopia
37, 19.200, 212.287

Trichromacy



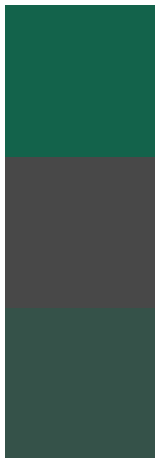
Original Color
37, 30.446, 166.581

Protanomaly
36, 16.700, 149.644

Deuteranomaly
36, 11.350, 156.950

Tritanomaly
37, 21.565, 191.712

Monochromacy



Original Color
37, 30.446, 166.581

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 13.257, 172.036

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 30.446, 166.581 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(19, 99, 75)` looks like.

```
.text, #text, p{  
    color:rgb(19, 99, 75)  
}
```

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(19, 99, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 99, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 30.446, 166.581 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(19, 99, 75) }
```

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

```
.border{ border-color:rgb(19, 99, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 99, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 99, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 99, 75);  
box-shadow:4px 4px 4px 4px rgb(19, 99, 75)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 30.446, 166.581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 99, 75) }
```

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

```
.background{ background-color: rgb(19, 99,  
75) }
```

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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