

Converting Colors

CIELCh(32, 39.450, 172.589)

Have a look what the booklet for
CIELCh(32, 39.450, 172.589)
contains.

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Color

CIELCh(33, 30.371, 166.968)

Conversions

Conversions Part 1

Format	Color
Hex	005942
RGB	0, 89, 66
RGB Percent	0%, 35%, 26%
CMY	1.0000, 0.6510, 0.7412
CMYK	1.00, 0.00, 0.26, 0.65
HSL	164°, 100%, 17%
HSV	164°, 100%, 35%
XYZ	4.5552, 7.5373, 6.3684
YIQ	59.7670, -45.6610, -26.0210

Conversions

Conversions Part 2

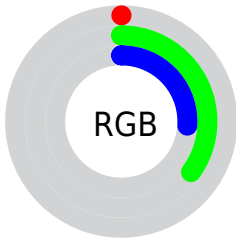
Format	Color
RYB	0, 51, 89
Decimal	22850
CIELab	33.00, -29.59, 6.85
CIELCh	33, 30.371, 166.968
Yxy	7.5373, 0.2467, 0.4083
Android (android.graphics.Color)	4278212930 (0xFF005942)
YUV	59.7670, 3.0729, -52.4157
Hunter-Lab	27.4541, -18.4279, 5.4646

Details

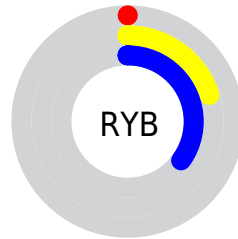
The CIELCh color **33, 30.371, 166.968** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **16, 40.483, 20.133**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 30.445, 166.862**, and **14, 21.811, 157.077** is the 20% darker color. If you saturate the color by 10%, you get **33, 30.371, 166.967**, and if you desaturate by 10%, it is **33, 28.584, 168.514**.

Distribution



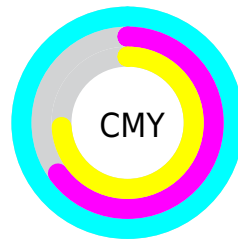
- Red (0%)
- Green (35%)
- Blue (26%)



- Red (0%)
- Yellow (20%)
- Blue (35%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (65%)





- Cyan (100%)
- Magenta (65%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 30.371, 166.968 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 33, 30.371, 166.968 by changing the saturation by 10% instead.


 33, 30.371,
166.968

 33, 30.371,
166.968

 100, 30.371,
166.968


 23, 30.371,
166.968

 53, 30.371,
166.968


 13, 30.371,
166.968


 63, 30.371,
166.968

 3, 30.371, 166.968

 73, 30.371,
166.968

 0, 30.371, 166.968

 83, 30.371,
166.968

 93, 30.371,
166.968

■ 33, 30.371,
166.968

■ 33, 30.371,
166.968

■ 33, 30.371,
166.967

■ 33, 28.584,
168.514

■ 33, 26.678,
170.127

■ 34, 24.377,
171.589

■ 34, 21.689,
172.912

■ 34, 18.649,
174.117

■ 35, 15.304,
175.222

■ 36, 11.711,
176.245

■ 36, 7.926, 177.205

Harmonies

Complementary

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



33, 30.371, 166.968



16, 40.483, 20.133

Rectangle

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



33, 30.371, 166.968



33, 30.371, 216.968



33, 30.371, 346.968



33, 30.371, 36.968

Sweetspot

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



33, 30.371, 166.967



46, 14.416, 176.151



33, 53.310, 132.802



23, 9.864, 175.882



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



33, 30.371, 166.967



43, 36.660, 166.278



26, 20.594, 239.228



17, 2.195, 178.247



40, 34.822, 166.451



83, 63.224, 164.986

Inverse Universe

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



16, 40.483, 20.133



23, 48.900, 22.094



19, 41.215, 42.863



16, 2.255, 359.590



21, 46.435, 21.604



49, 84.707, 25.710

Previews

White Background



This preview shows how the CIELCh color 33, 30.371, 166.968 looks on a white background.

Color Contrast Check

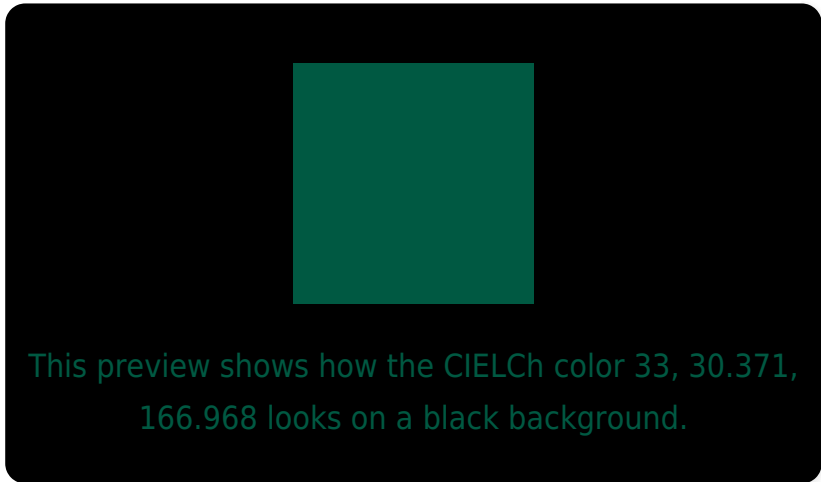
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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 33, 30.371, 166.968

Background



This preview shows how black text looks on a background with the CIELCh color 33, 30.371, 166.968.



This preview shows how white text looks on a background with the CIELCh color 33, 30.371, 166.968.

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
33, 30.371, 166.968

Protanopia
33, 10.886, 95.845

Deuteranopia
33, 7.078, 52.106



Tritanopia
33, 18.469, 209.004

Trichromacy



Original Color
33, 30.371, 166.968

Protanomaly
32, 17.353, 153.424

Deuteranomaly
32, 12.808, 161.168

Tritanomaly
33, 21.780, 189.767

Monochromacy



Original Color
33, 30.371, 166.968

Achromatopsia
25, 0.004, 296.813

Achromatomaly
27, 14.726, 173.628

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 30.371, 166.968 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, 89, 66)` looks like.

```
.text, #text, p{  
    color:rgb(0, 89, 66)  
}
```

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, 89, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 89, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 30.371, 166.968 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, 89, 66) }
```

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

```
.border{ border-color:rgb(0, 89, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 89, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 89, 66); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 89, 66); box-shadow:4px  
4px 4px 4px rgb(0, 89, 66) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 30.371, 166.968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 89, 66) }
```

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

```
.background{ background-color: rgb(0, 89,  
66) }
```

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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