

Converting Colors

CIELCh(35, 30.702, 166.366)

Have a look what the booklet for
CIELCh(35, 30.702, 166.366)
contains.

CIELCh(35, 30.687, 166.380)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(35, 30.687, 166.380)

Conversions

Conversions Part 1

Format	Color
Hex	095E46
RGB	9, 94, 70
RGB Percent	4%, 37%, 27%
CMY	0.9650, 0.6315, 0.7256
CMYK	0.90, 0.00, 0.26, 0.63
HSL	163°, 83%, 20%
HSV	163°, 90%, 37%
XYZ	5.2157, 8.4984, 7.1543
YIQ	65.8490, -42.9560, -25.4840

Conversions

Conversions Part 2

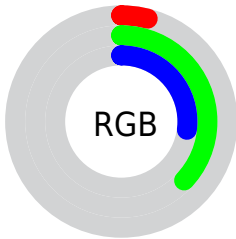
Format	Color
R_{YB}	9, 58, 94
Decimal	613958
CIE Lab	35.00, -29.82, 7.23
CIE LCh	35, 30.687, 166.380
Yxy	8.4984, 0.2499, 0.4072
Android (android.graphics.Color)	4278804038 (0xFF095E46)
YUV	65.8490, 2.0464, -49.8566
Hunter-Lab	29.1520, -19.0798, 5.8558

Details

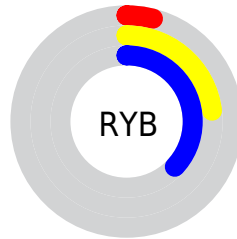
The CIELCh color **35, 30.687, 166.380** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **19, 38.791, 14.915**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 30.738, 166.210**, and **16, 23.010, 157.925** is the 20% darker color. If you saturate the color by 10%, you get **35, 32.522, 164.826**, and if you desaturate by 10%, it is **35, 28.627, 168.075**.

Distribution



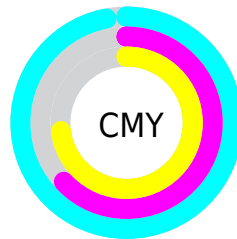
- Red (4%)
- Green (37%)
- Blue (27%)



- Red (4%)
- Yellow (23%)
- Blue (37%)



- Cyan (90%)
- Magenta (0%)
- Yellow (26%)
- Black (63%)





- Cyan (97%)
- Magenta (63%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 30.687, 166.380 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 35, 30.687, 166.380 by changing the saturation by 10% instead.


 35, 30.687,
166.380


 35, 30.687,
166.380

 100, 30.687,
166.380


 25, 30.687,
166.380

 55, 30.687,
166.380


 15, 30.687,
166.380


 65, 30.687,
166.380

 5, 30.687, 166.380

 75, 30.687,
166.380

 0, 30.687, 166.380

 85, 30.687,
166.380

 95, 30.687,
166.380

■ 35, 30.687,
166.380

■ 35, 30.687,
166.380

■ 35, 32.522,
164.826

■ 35, 28.627,
168.075

■ 36, 26.153,
169.609

■ 36, 23.274,
170.994

■ 36, 20.025,
172.249

■ 37, 16.458,
173.394

■ 37, 12.633,
174.449

■ 38, 8.611, 175.431

■ 39, 4.452, 176.370

Harmonies

Complementary

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



35, 30.687, 166.380



19, 38.791, 14.915

Rectangle

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



35, 30.687, 166.380



35, 30.687, 216.380



35, 30.687, 346.380



35, 30.687, 36.380

Sweetspot

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



35, 30.687, 166.379



49, 13.964, 174.715



35, 51.982, 132.709



24, 9.291, 174.507



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



35, 30.687, 166.379



45, 39.622, 164.121



29, 20.338, 233.421



18, 2.334, 176.530



41, 36.481, 164.395



84, 65.747, 162.931

Inverse Universe

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



19, 38.791, 14.915



25, 50.765, 20.465



21, 40.069, 42.777



17, 2.394, 357.904



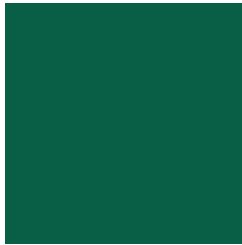
22, 46.760, 19.716



50, 84.253, 23.693

Previews

White Background



This preview shows how the CIE LCh color 35, 30.687, 166.380 looks on a white background.

Color Contrast Check

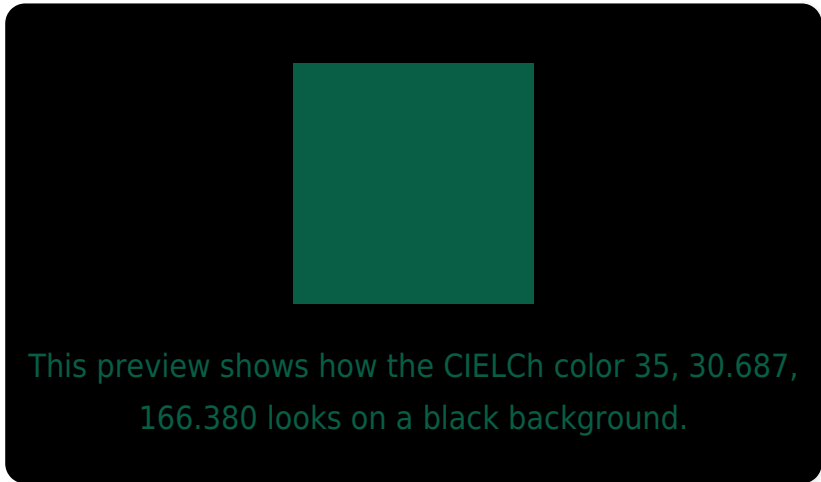
Large Text (above 18pt) WCAG AA ✓ Pass

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

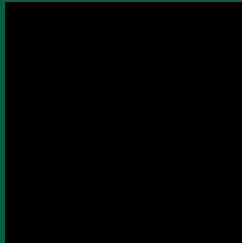
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 35, 30.687, 166.380

Background



This preview shows how black text looks on a background with the CIELCh color 35, 30.687, 166.380.



This preview shows how white text looks on a background with the CIELCh color 35, 30.687, 166.380.

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
35, 30.687, 166.380

Protanopia
35, 11.506, 94.194

Deuteranopia
35, 7.403, 50.281



Tritanopia
35, 19.012, 212.541

Trichromacy



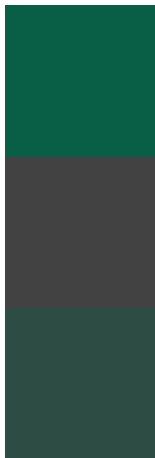
Original Color
35, 30.687, 166.380

Protanomaly
34, 17.134, 150.444

Deuteranomaly
34, 12.082, 159.208

Tritanomaly
35, 21.667, 191.573

Monochromacy



Original Color
35, 30.687, 166.380

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 14.017, 172.914

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 30.687, 166.380 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(9, 94, 70)` looks like.

```
.text, #text, p{  
    color:rgb(9, 94, 70)  
}
```

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(9, 94, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 94, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 30.687, 166.380 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(9, 94, 70) }
```

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

```
.border{ border-color:rgb(9, 94, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 94, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 94, 70); -webkit-box-shadow:4px  
4px 4px 4px rgb(9, 94, 70); box-shadow:4px  
4px 4px 4px rgb(9, 94, 70) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 30.687, 166.380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 94, 70) }
```

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

```
.background{ background-color: rgb(9, 94,  
70) }
```

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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