

Converting Colors

CIELCh(35, 31.129, 168.120)

Have a look what the booklet for
CIELCh(35, 31.129, 168.120)
contains.

CIELCh(35, 31.098, 168.003)	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, 31.098, 168.003)

Conversions

Conversions Part 1

Format	Color
Hex	005E47
RGB	0, 94, 71
RGB Percent	0%, 37%, 28%
CMY	0.9986, 0.6306, 0.7209
CMYK	1.00, 0.00, 0.24, 0.63
HSL	165°, 99%, 19%
HSV	165°, 100%, 37%
XYZ	5.1669, 8.4984, 7.3589
YIQ	63.2720, -48.6410, -27.0810

Conversions

Conversions Part 2

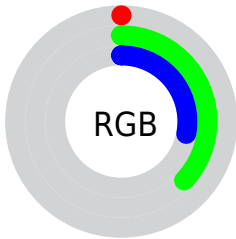
Format	Color
RYB	0, 54, 94
Decimal	24135
CIELab	35.00, -30.42, 6.46
CIELCh	35, 31.098, 168.003
Yxy	8.4984, 0.2458, 0.4042
Android (android.graphics.Color)	4278214215 (0xFF005E47)
YUV	63.2720, 3.8099, -55.4895
Hunter-Lab	29.1520, -19.3787, 5.4396

Details

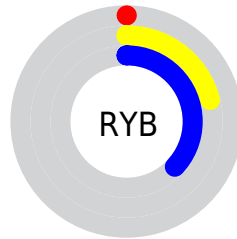
The CIELCh color **35, 31.098, 168.003** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **18, 42.322, 21.587**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 31.071, 167.715**, and **16, 22.519, 159.189** is the 20% darker color. If you saturate the color by 10%, you get **35, 31.166, 167.946**, and if you desaturate by 10%, it is **35, 29.348, 169.574**.

Distribution



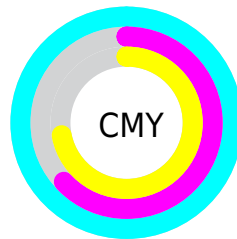
- Red (0%)
- Green (37%)
- Blue (28%)



- Red (0%)
- Yellow (21%)
- Blue (37%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (63%)





- Cyan (100%)
- Magenta (63%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 31.098, 168.003 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, 31.098, 168.003 by changing the saturation by 10% instead.


 35, 31.098,
168.003


 35, 31.098,
168.003

 100, 31.098,
168.003


 25, 31.098,
168.003

 55, 31.098,
168.003


 15, 31.098,
168.003


 65, 31.098,
168.003

 5, 31.098, 168.003

 75, 31.098,
168.003

 0, 31.098, 168.003

 85, 31.098,
168.003

 95, 31.098,
168.003

■ 35, 31.098,
168.003

■ 35, 31.098,
168.003

■ 35, 31.166,
167.946

■ 35, 29.348,
169.574

■ 35, 27.427,
171.174

■ 36, 25.084,
172.620

■ 36, 22.329,
173.930

■ 37, 19.198,
175.124

■ 37, 15.741,
176.221

■ 38, 12.017,
177.239

■ 38, 8.087, 178.196

Harmonies

Complementary

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



35, 31.098, 168.003



18, 42.322, 21.587

Rectangle

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



35, 31.098, 168.003



35, 31.098, 218.003



35, 31.098, 348.003



35, 31.098, 38.003

Sweetspot

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



35, 31.098, 168.002



48, 15.065, 177.110



34, 55.583, 133.211



24, 10.127, 176.837



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, 31.098, 168.002



45, 37.854, 167.285



28, 21.683, 242.797



18, 2.288, 179.199



41, 34.871, 167.545



84, 62.672, 166.155

Inverse Universe

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



18, 42.322, 21.587



25, 51.687, 23.642



20, 43.055, 44.201



17, 2.354, 0.559



21, 47.565, 22.890



50, 86.120, 26.848

Previews

White Background



This preview shows how the CIE LCh color 35, 31.098, 168.003 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 35, 31.098, 168.003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

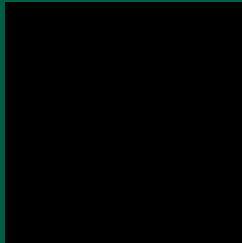
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 31.098, 168.003

Background



This preview shows how black text looks on a background with the CIELCh color 35, 31.098, 168.003.



This preview shows how white text looks on a background with the CIELCh color 35, 31.098, 168.003.

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, 31.098, 168.003

Protanopia
35, 10.906, 93.564

Deuteranopia
35, 7.079, 46.121



Tritanopia
35, 19.407, 210.210

Trichromacy



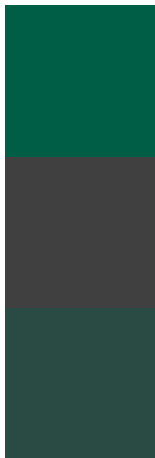
Original Color
35, 31.098, 168.003

Protanomaly
34, 17.506, 154.362

Deuteranomaly
34, 13.320, 163.151

Tritanomaly
35, 22.676, 190.092

Monochromacy



Original Color
35, 31.098, 168.003

Achromatopsia
27, 0.004, 296.813

Achromatomaly
29, 14.650, 176.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 31.098, 168.003 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, 94, 71)` looks like.

```
.text, #text, p{  
    color:rgb(0, 94, 71)  
}
```

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, 94, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 94, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 31.098, 168.003 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, 94, 71) }
```

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

```
.border{ border-color:rgb(0, 94, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 94, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 94, 71); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 94, 71); box-shadow:4px  
4px 4px 4px rgb(0, 94, 71) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 31.098, 168.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 94, 71) }
```

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

```
.background{ background-color: rgb(0, 94,  
71) }
```

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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