

Converting Colors

CIELCh(40, 36.322, 159.382)

Have a look what the booklet for
CIELCh(40, 36.322, 159.382)
contains.

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Color

CIELCh(40, 36.697, 158.949)

Conversions

Conversions Part 1

Format	Color
Hex	136C48
RGB	19, 108, 72
RGB Percent	7%, 42%, 28%
CMY	0.9239, 0.5780, 0.7190
CMYK	0.82, 0.00, 0.33, 0.58
HSL	156°, 69%, 25%
HSV	156°, 82%, 42%
XYZ	6.7572, 11.2510, 7.8868
YIQ	77.2850, -41.4880, -30.0640

Conversions

Conversions Part 2

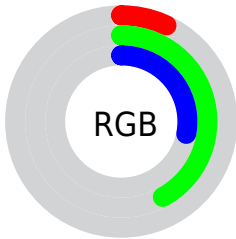
Format	Color
RYB	19, 75, 108
Decimal	1272904
CIELab	40.00, -34.25, 13.18
CIElCh	40, 36.697, 158.949
Yxy	11.2510, 0.2609, 0.4345
Android (android.graphics.Color)	4279462984 (0xFF136C48)
YUV	77.2850, -2.6055, -51.1159
Hunter-Lab	33.5425, -22.7402, 9.5389

Details

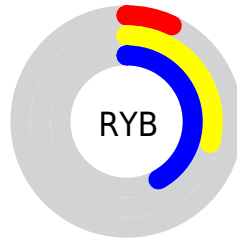
The CIELCh color **40, 36.697, 158.949** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **23, 40.468, 1.735**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 36.548, 159.397**, and **21, 29.965, 151.426** is the 20% darker color. If you saturate the color by 10%, you get **40, 39.538, 157.023**, and if you desaturate by 10%, it is **40, 33.394, 160.688**.

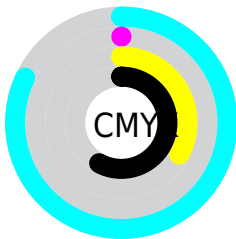
Distribution



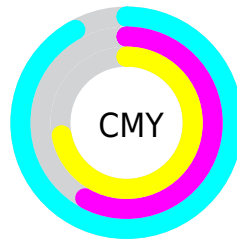
- Red (7%)
- Green (42%)
- Blue (28%)



- Red (7%)
- Yellow (29%)
- Blue (42%)



- Cyan (82%)
- Magenta (0%)
- Yellow (33%)
- Black (58%)





- Cyan (92%)
- Magenta (58%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 36.697, 158.949 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 40, 36.697, 158.949 by changing the saturation by 10% instead.


 40, 36.697,
158.949


 40, 36.697,
158.949


 100, 36.697,
158.949


 30, 36.697,
158.949

 60, 36.697,
158.949


 20, 36.697,
158.949

 70, 36.697,
158.949


 10, 36.697,
158.949

 80, 36.697,
158.949

 0, 36.697, 158.949

 90, 36.697,
158.949

 40, 36.697,

 40, 36.697,

158.949

158.949

■ 40, 39.538,
157.023

■ 40, 33.394,
160.688

■ 40, 41.691,
155.537

■ 41, 29.638,
162.246

■ 41, 25.475,
163.637

■ 42, 20.969,
164.884

■ 43, 16.196,
166.008

■ 43, 11.233,
167.029

■ 44, 6.152, 167.975

■ 45, 1.015, 169.057

Harmonies

Complementary

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



40, 36.697, 158.949



23, 40.468, 1.735

Rectangle

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



40, 36.697, 158.949



40, 36.697, 208.949



40, 36.697, 338.949



40, 36.697, 28.949

Sweetspot

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



40, 36.697, 158.949



55, 15.832, 166.661



40, 52.340, 129.103



28, 10.859, 166.390



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



40, 36.697, 158.949



51, 50.440, 155.249



39, 22.849, 208.343



22, 2.876, 168.255



43, 44.518, 155.297



86, 78.685, 153.856

Inverse Universe

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



23, 40.468, 1.735



29, 53.731, 8.833



24, 43.586, 36.141



21, 2.924, 349.643



24, 47.603, 8.676



52, 82.267, 11.935

Previews

White Background



This preview shows how the CIELCh color 40, 36.697, 158.949 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 × Fail

Black Background



This preview shows how the CIELCh color 40, 36.697, 158.949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 40, 36.697, 158.949

Background



This preview shows how black text looks on a background with the CIELCh color 40, 36.697, 158.949.

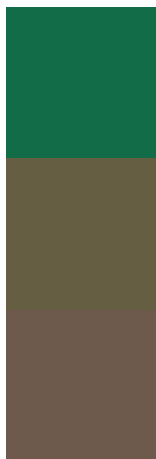


This preview shows how white text looks on a background with the CIELCh color 40, 36.697, 158.949.

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

40, 36.808, 159.059

Protanopia

40, 17.212, 96.602

Deuteranopia

40, 12.260, 63.704



Tritanopia
40, 20.048, 211.437

Trichromacy



Original Color
40, 36.808, 159.059

Protanomaly
39, 22.391, 140.045

Deuteranomaly
39, 16.009, 140.756

Tritanomaly
40, 24.120, 184.781

Monochromacy



Original Color
40, 36.808, 159.059

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 15.514, 165.717

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 36.697, 158.949 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, 108, 72)` looks like.

```
.text, #text, p{  
    color:rgb(19, 108, 72)  
}
```

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, 108, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 108, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 36.697, 158.949 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, 108, 72) }
```

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

```
.border{ border-color:rgb(19, 108, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 108, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 108, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 108, 72);  
box-shadow:4px 4px 4px 4px rgb(19, 108,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 36.697, 158.949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 108, 72) }
```

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

```
.background{ background-color: rgb(19, 108,  
72) }
```

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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