

Converting Colors

CIELCh(45, 94.196, 182.341)

Have a look what the booklet for
CIELCh(45, 94.196, 182.341)
contains.

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Color

CIELCh(50, 37.956, 172.996)

Conversions

Conversions Part 1

Format	Color
Hex	00876E
RGB	0, 135, 110
RGB Percent	0%, 53%, 43%
CMY	1.0000, 0.4708, 0.5686
CMYK	1.00, 0.00, 0.18, 0.47
HSL	169°, 100%, 26%
HSV	169°, 100%, 53%
XYZ	11.4319, 18.4187, 17.7059
YIQ	91.7850, -72.4350, -36.3950

Conversions

Conversions Part 2

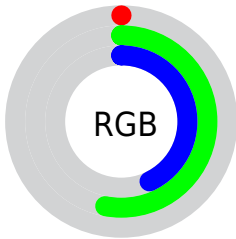
Format	Color
RYB	0, 74, 135
Decimal	34670
CIELab	50.00, -37.67, 4.63
CIELCh	50, 37.956, 172.996
Yxy	18.4187, 0.2404, 0.3873
Android (android.graphics.Color)	4278224750 (0xFF00876E)
YUV	91.7850, 8.9800, -80.4954
Hunter-Lab	42.9170, -27.5574, 5.5811

Details

The CIELCh color **50, 37.956, 172.996** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **27, 57.711, 29.035**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 37.618, 173.258**, and **31, 28.825, 167.869** is the 20% darker color. If you saturate the color by 10%, you get **50, 37.784, 172.905**, and if you desaturate by 10%, it is **50, 36.189, 174.488**.

Distribution



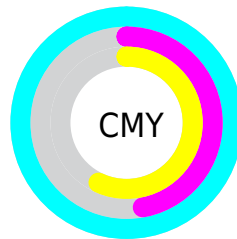
- Red (0%)
- Green (53%)
- Blue (43%)



- Red (0%)
- Yellow (29%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (47%)





- Cyan (100%)
- Magenta (47%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 37.956, 172.996 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 50, 37.956, 172.996 by changing the saturation by 10% instead.


 50, 37.956,
172.996


 50, 37.956,
172.996


 100, 37.956,
172.996


 40, 37.956,
172.996


 70, 37.956,
172.996

 30, 37.956,
172.996


 80, 37.956,
172.996


 20, 37.956,
172.996

 90, 37.956,
172.996

 10, 37.956,
172.996

 0, 37.956, 172.996

 50, 37.956,
172.996

 50, 37.956,
172.996

■ 50, 37.784,
172.905

■ 50, 36.189,
174.488

■ 50, 34.198,
175.998

■ 51, 31.609,
177.363

■ 51, 28.418,
178.604

■ 52, 24.661,
179.741

■ 52, 20.403,
180.794

■ 53, 15.723,
181.782

■ 54, 10.706,
182.720

■ 55, 5.439, 183.637

Harmonies

Complementary

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



50, 37.956, 172.996



27, 57.711, 29.035

Rectangle

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



50, 37.956, 172.996



50, 37.956, 222.996



50, 37.956, 352.996



50, 37.956, 42.996

Sweetspot

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



50, 37.784, 172.905



68, 19.495, 181.717



49, 73.051, 134.399



35, 13.280, 181.360



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



50, 37.784, 172.905



64, 46.131, 172.478



38, 30.160, 254.682



27, 3.027, 183.721



48, 36.757, 172.973



1, 0.735, 184.426

Inverse Universe

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



27, 57.711, 29.035



37, 70.925, 30.361



31, 58.119, 48.093



26, 3.139, 5.152



26, 56.085, 28.820



0, 0.735, 4.411

Previews

White Background



This preview shows how the CIELCh color 50, 37.956, 172.996 looks on a white background.

Color Contrast Check

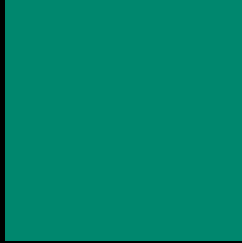
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 50, 37.956, 172.996 looks on a black 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

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

CIELCh 50, 37.956, 172.996

Background



This preview shows how black text looks on a background with the CIELCh color 50, 37.956, 172.996.

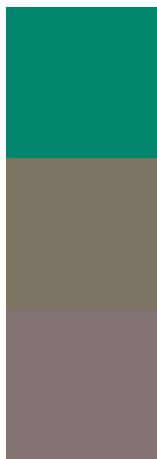


This preview shows how white text looks on a background with the CIELCh color 50, 37.956, 172.996.

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

50, 37.811, 172.868

Protanopia

50, 10.344, 92.036

Deuteranopia

50, 6.663, 25.108



Tritanopia
50, 26.173, 210.033

Trichromacy



Original Color
50, 37.811, 172.868

Protanomaly
48, 20.848, 162.862

Deuteranomaly
48, 15.798, 178.007

Tritanomaly
50, 29.381, 194.185

Monochromacy



Original Color
50, 37.811, 172.868

Achromatopsia
39, 0.006, 296.813

Achromatomaly
42, 18.998, 180.444

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 37.956, 172.996 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, 135, 110)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 110)  
}
```

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, 135, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 37.956, 172.996 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, 135, 110) }
```

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

```
.border{ border-color:rgb(0, 135, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 135, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 110);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 37.956, 172.996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 110) }
```

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

```
.background{ background-color: rgb(0, 135,  
110) }
```

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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