

Converting Colors

CIELCh(41, 68.579, 179.756)

Have a look what the booklet for
CIELCh(41, 68.579, 179.756)
contains.

CIELCh(45, 35.636, 170.775)	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(45, 35.636, 170.775)

Conversions

Conversions Part 1

Format	Color
Hex	037960
RGB	3, 121, 96
RGB Percent	1%, 47%, 38%
CMY	0.9895, 0.5254, 0.6237
CMYK	0.98, 0.00, 0.21, 0.53
HSL	167°, 96%, 24%
HSV	167°, 98%, 47%
XYZ	8.9833, 14.5417, 13.3909
YIQ	82.8680, -62.3030, -32.7910

Conversions

Conversions Part 2

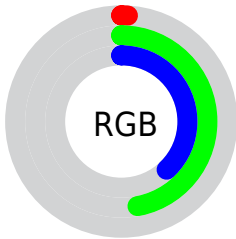
Format	Color
RYB	3, 69, 121
Decimal	227680
CIELab	45.00, -35.18, 5.71
CIELCh	45, 35.636, 170.775
Yxy	14.5417, 0.2433, 0.3939
Android (android.graphics.Color)	4278417760 (0xFF037960)
YUV	82.8680, 6.4741, -70.0442
Hunter-Lab	38.1336, -24.6836, 5.8734

Details

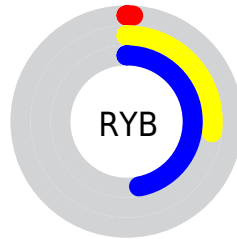
The CIELCh color **45, 35.636, 170.775** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **24, 51.296, 25.374**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 35.681, 170.537**, and **26, 26.912, 164.694** is the 20% darker color. If you saturate the color by 10%, you get **45, 36.014, 170.425**, and if you desaturate by 10%, it is **45, 33.914, 172.427**.

Distribution



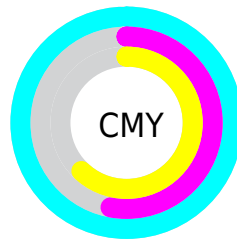
- Red (1%)
- Green (47%)
- Blue (38%)



- Red (1%)
- Yellow (27%)
- Blue (47%)



- Cyan (98%)
- Magenta (0%)
- Yellow (21%)
- Black (53%)





- Cyan (99%)
- Magenta (53%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 35.636, 170.775 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 45, 35.636, 170.775 by changing the saturation by 10% instead.


 45, 35.636,
170.775


 45, 35.636,
170.775


 100, 35.636,
170.775


 35, 35.636,
170.775

 65, 35.636,
170.775


 25, 35.636,
170.775

 75, 35.636,
170.775

 15, 35.636,
170.775

 85, 35.636,
170.775

 5, 35.636, 170.775

 95, 35.636,
170.775

 0, 35.636, 170.775

 45, 35.636,

 45, 35.636,

170.775

■ 45, 36.014,
170.425

170.775

■ 45, 33.914,
172.427

■ 45, 31.777,
173.979

■ 46, 29.098,
175.381

■ 46, 25.890,
176.653

■ 47, 22.193,
177.816

■ 47, 18.074,
178.891

■ 48, 13.605,
179.894

■ 49, 8.867, 180.845

Harmonies

Complementary

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



45, 35.636, 170.775



24, 51.296, 25.374

Rectangle

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



45, 35.636, 170.775



45, 35.636, 220.775



45, 35.636, 350.775



45, 35.636, 40.775

Sweetspot

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



45, 35.636, 170.774



62, 17.597, 179.705



44, 66.525, 134.097



31, 11.915, 179.362



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 35.636, 170.774



58, 44.012, 169.917



35, 26.792, 250.074



25, 2.866, 181.658



46, 36.880, 170.358



89, 62.961, 169.272

Inverse Universe

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



24, 51.296, 25.374



33, 64.140, 27.832



28, 52.307, 47.135



24, 2.963, 3.097



25, 53.500, 26.507



53, 92.435, 29.710

Previews

White Background



This preview shows how the CIELCh color 45, 35.636, 170.775 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 45, 35.636, 170.775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

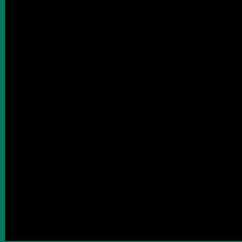
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 35.636, 170.775

Background



This preview shows how black text looks on a background with the CIELCh color 45, 35.636, 170.775.



This preview shows how white text looks on a background with the CIELCh color 45, 35.636, 170.775.

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

45, 35.589, 170.807

Protanopia

45, 11.002, 94.788

Deuteranopia

45, 7.356, 29.511



Tritanopia
45, 23.797, 210.199

Trichromacy



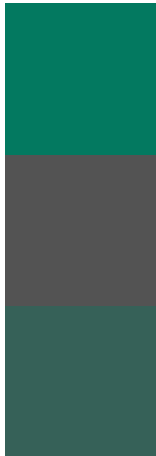
Original Color
45, 35.589, 170.807

Protanomaly
44, 19.763, 159.840

Deuteranomaly
43, 14.050, 172.390

Tritanomaly
45, 26.898, 192.644

Monochromacy



Original Color
45, 35.589, 170.807

Achromatopsia
35, 0.005, 296.813

Achromatomaly
38, 17.375, 178.514

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 35.636, 170.775 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(3, 121, 96)` looks like.

```
.text, #text, p{  
    color:rgb(3, 121, 96)  
}
```

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(3, 121, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 121, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 35.636, 170.775 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(3, 121, 96) }
```

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

```
.border{ border-color:rgb(3, 121, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 121, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 121, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 121, 96);  
box-shadow:4px 4px 4px 4px rgb(3, 121, 96)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 35.636, 170.775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 121, 96) }
```

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

```
.background{ background-color: rgb(3, 121,  
96) }
```

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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