

Converting Colors

CIELCh(41, 68.005, 185.689)

Have a look what the booklet for
CIELCh(41, 68.005, 185.689)
contains.

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Color

CIELCh(45, 31.972, 180.710)

Conversions

Conversions Part 1

Format	Color
Hex	01786A
RGB	1, 120, 106
RGB Percent	0%, 47%, 42%
CMY	0.9974, 0.5284, 0.5834
CMYK	0.99, 0.00, 0.12, 0.53
HSL	173°, 99%, 24%
HSV	173°, 99%, 47%
XYZ	9.3680, 14.5417, 16.0131
YIQ	82.8230, -66.4300, -29.5820

Conversions

Conversions Part 2

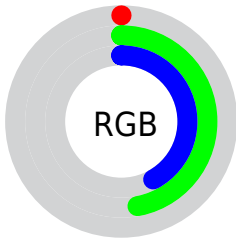
Format	Color
RYB	1, 64, 120
Decimal	96362
CIELab	45.00, -31.97, -0.40
CIELCh	45, 31.972, 180.710
Yxy	14.5417, 0.2347, 0.3642
Android (android.graphics.Color)	4278286442 (0xFF01786A)
YUV	82.8230, 11.4263, -71.7588
Hunter-Lab	38.1336, -22.8830, 1.7965

Details

The CIELCh color **45, 31.972, 180.710** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **24, 54.781, 32.682**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 31.997, 180.494**, and **26, 22.761, 177.280** is the 20% darker color. If you saturate the color by 10%, you get **45, 32.038, 180.647**, and if you desaturate by 10%, it is **45, 30.786, 181.862**.

Distribution



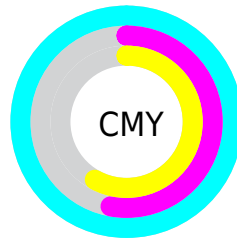
- Red (0%)
- Green (47%)
- Blue (42%)



- Red (0%)
- Yellow (25%)
- Blue (47%)



- Cyan (99%)
- Magenta (0%)
- Yellow (12%)
- Black (53%)





- Cyan (100%)
- Magenta (53%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 31.972, 180.710 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, 31.972, 180.710 by changing the saturation by 10% instead.


 45, 31.972,
180.710


 45, 31.972,
180.710


 100, 31.972,
180.710


 35, 31.972,
180.710

 65, 31.972,
180.710


 25, 31.972,
180.710

 75, 31.972,
180.710

 15, 31.972,
180.710


 85, 31.972,
180.710

 5, 31.972, 180.710

 95, 31.972,
180.710

 0, 31.972, 180.710

 45, 31.972,

 45, 31.972,

180.710

180.710

■ 45, 32.038,
180.647

■ 45, 30.786,
181.862

■ 45, 29.242,
182.971

■ 46, 27.144,
183.990

■ 46, 24.490,
184.937

■ 47, 21.309,
185.829

■ 47, 17.655,
186.680

■ 48, 13.596,
187.501

■ 49, 9.206, 188.306

Harmonies

Complementary

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



45, 31.972, 180.710



24, 54.781, 32.682

Rectangle

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



45, 31.972, 180.710



45, 31.972, 230.710



45, 31.972, 0.710



45, 31.972, 50.710

Sweetspot

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



45, 31.972, 180.709



61, 17.041, 187.397



44, 67.616, 135.061



31, 11.598, 187.118



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, 31.972, 180.709



58, 38.739, 180.307



31, 30.696, 265.146



25, 2.761, 189.151



47, 32.950, 180.592



89, 55.860, 179.841

Inverse Universe

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



24, 54.781, 32.682



32, 67.337, 34.261



29, 50.909, 52.139



24, 2.881, 10.422



25, 56.735, 33.128



53, 98.407, 35.837

Previews

White Background



This preview shows how the CIELCh color 45, 31.972, 180.710 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, 31.972, 180.710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

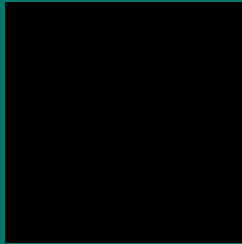
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 31.972, 180.710

Background



This preview shows how black text looks on a background with the CIELCh color 45, 31.972, 180.710.

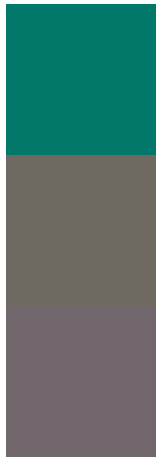


This preview shows how white text looks on a background with the CIELCh color 45, 31.972, 180.710.

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, 31.908, 180.686

Protanopia

45, 5.040, 89.815

Deuteranopia

45, 6.481, 340.145



Tritanopia
45, 24.518, 211.214

Trichromacy



Original Color
45, 31.908, 180.686

Protanomaly
44, 16.863, 176.527

Deuteranomaly
43, 13.386, 197.874

Tritanomaly
45, 26.690, 197.864

Monochromacy



Original Color
45, 31.908, 180.686

Achromatopsia
35, 0.005, 296.813

Achromatomaly
38, 16.906, 184.562

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 31.972, 180.710 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(1, 120, 106)` looks like.

```
.text, #text, p{  
    color:rgb(1, 120, 106)  
}
```

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(1, 120, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 120, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 31.972, 180.710 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(1, 120, 106) }
```

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

```
.border{ border-color:rgb(1, 120, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 120, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 120, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 120, 106);  
box-shadow:4px 4px 4px 4px rgb(1, 120,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 31.972, 180.710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 120, 106) }
```

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

```
.background{ background-color: rgb(1, 120,  
106) }
```

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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