

Converting Colors

CIELCh(40, 49.007, 198.872)

Have a look what the booklet for
CIELCh(40, 49.007, 198.872)
contains.

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Color

CIELCh(43, 26.740, 204.421)

Conversions

Conversions Part 1

Format	Color
Hex	007177
RGB	0, 113, 119
RGB Percent	0%, 44%, 47%
CMY	0.9993, 0.5566, 0.5331
CMYK	1.00, 0.05, 0.00, 0.53
HSL	183°, 100%, 23%
HSV	183°, 100%, 47%
XYZ	9.2470, 13.1578, 19.5236
YIQ	79.8970, -69.2740, -22.0900

Conversions

Conversions Part 2

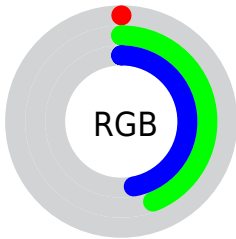
Format	Color
RYB	0, 58, 119
Decimal	29047
CIELab	43.00, -24.35, -11.06
CIELCh	43, 26.740, 204.421
Yxy	13.1578, 0.2205, 0.3138
Android (android.graphics.Color)	4278219127 (0xFF007177)
YUV	79.8970, 19.2778, -70.0697
Hunter-Lab	36.2736, -17.9750, -6.5202

Details

The CIELCh color **43, 26.740, 204.421** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **24, 56.907, 38.812**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 26.705, 204.517**, and **24, 17.927, 211.922** is the 20% darker color. If you saturate the color by 10%, you get **43, 26.748, 204.428**, and if you desaturate by 10%, it is **43, 26.146, 203.839**.

Distribution



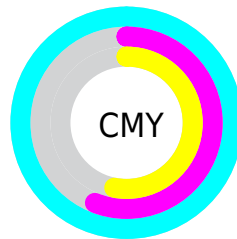
- Red (0%)
- Green (44%)
- Blue (47%)



- Red (0%)
- Yellow (23%)
- Blue (47%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (53%)





- Cyan (100%)
- Magenta (56%)
- Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 26.740, 204.421 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 43, 26.740, 204.421 by changing the saturation by 10% instead.


 43, 26.740,
204.421


 43, 26.740,
204.421


 100, 26.740,
204.421


 33, 26.740,
204.421

 63, 26.740,
204.421


 23, 26.740,
204.421

 73, 26.740,
204.421

 13, 26.740,
204.421

 83, 26.740,
204.421

 3, 26.740, 204.421

 93, 26.740,
204.421

 0, 26.740, 204.421

 43, 26.740,

 43, 26.740,

204.421

204.421

■ 43, 26.748,
204.428

■ 43, 26.146,
203.839

■ 44, 25.216,
203.354

■ 44, 23.733,
203.023

■ 45, 21.689,
202.836

■ 45, 19.102,
202.777

■ 46, 16.017,
202.831

■ 47, 12.491,
202.986

■ 48, 8.591, 203.229

Harmonies

Complementary

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



43, 26.740, 204.421



24, 56.907, 38.812

Rectangle

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



43, 26.740, 204.421



43, 26.740, 254.421



43, 26.740, 24.421



43, 26.740, 74.421

Sweetspot

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



43, 26.739, 204.420



60, 15.570, 202.968



43, 67.056, 136.702



31, 10.566, 202.908



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



43, 26.739, 204.420



56, 32.422, 204.647



23, 43.524, 286.772



24, 2.478, 203.604



44, 27.279, 204.453



86, 46.101, 204.934

Inverse Universe

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



27, 63.321, 330.258



36, 76.831, 330.317



34, 47.404, 66.388



23, 4.597, 326.278



28, 64.615, 330.268



58, 109.316, 330.388

Previews

White Background



This preview shows how the CIELCh color 43, 26.740, 204.421 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 43, 26.740, 204.421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

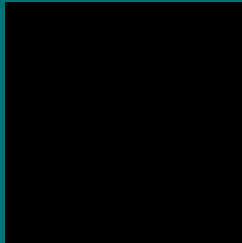
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 26.740, 204.421

Background



This preview shows how black text looks on a background with the CIELCh color 43, 26.740, 204.421.



This preview shows how white text looks on a background with the CIELCh color 43, 26.740, 204.421.

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

43, 26.740, 204.421

Protanopia

43, 6.027, 287.281

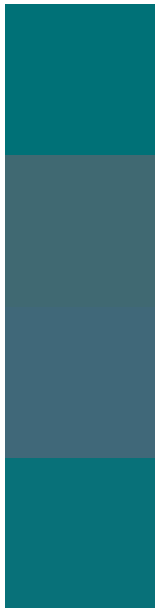
Deuteranopia

43, 13.907, 295.299



Tritanopia
43, 25.740, 209.027

Trichromacy



Original Color
43, 26.740, 204.421

Protanomaly
42, 15.149, 219.110

Deuteranomaly
42, 16.606, 236.754

Tritanomaly
43, 26.103, 207.431

Monochromacy



Original Color
43, 26.740, 204.421

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 14.873, 202.351

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 26.740, 204.421 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, 113, 119)` looks like.

```
.text, #text, p{  
    color:rgb(0, 113, 119)  
}
```

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, 113, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 26.740, 204.421 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, 113, 119) }
```

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

```
.border{ border-color:rgb(0, 113, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 113, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 113, 119);  
box-shadow:4px 4px 4px 4px rgb(0, 113,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 26.740, 204.421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 113, 119) }
```

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

```
.background{ background-color: rgb(0, 113,  
119) }
```

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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