

Converting Colors

CIELCh(35, 61.973, 199.562)

Have a look what the booklet for
CIELCh(35, 61.973, 199.562)
contains.

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Color

CIELCh(39, 24.790, 212.685)

Conversions

Conversions Part 1

Format	Color
Hex	006671
RGB	0, 102, 113
RGB Percent	0%, 40%, 44%
CMY	1.0000, 0.6003, 0.5572
CMYK	1.00, 0.10, 0.00, 0.56
HSL	186°, 100%, 22%
HSV	186°, 100%, 44%
XYZ	7.6846, 10.6589, 17.2476
YIQ	72.7560, -64.3230, -18.2030

Conversions

Conversions Part 2

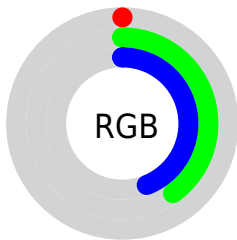
Format	Color
RYB	0, 54, 113
Decimal	26225
CIELab	39.00, -20.86, -13.39
CIELCh	39, 24.790, 212.685
Yxy	10.6589, 0.2159, 0.2995
Android (android.graphics.Color)	4278216305 (0xFF006671)
YUV	72.7560, 19.8403, -63.8070
Hunter-Lab	32.6480, -15.1192, -8.4686

Details

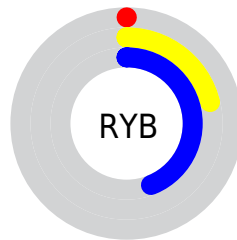
The CIELCh color **39, 24.790, 212.685** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **23, 53.771, 39.495**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 24.586, 213.637**, and **20, 16.417, 221.690** is the 20% darker color. If you saturate the color by 10%, you get **39, 24.606, 212.825**, and if you desaturate by 10%, it is **40, 24.042, 211.537**.

Distribution



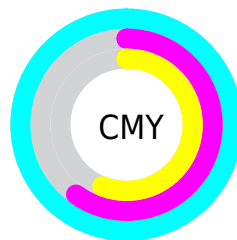
- Red (0%)
- Green (40%)
- Blue (44%)



- Red (0%)
- Yellow (21%)
- Blue (44%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (56%)



- Cyan (100%)
- Magenta (60%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 24.790, 212.685 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 39, 24.790, 212.685 by changing the saturation by 10% instead.

 39, 24.790,
212.685

 39, 24.790,
212.685

 100, 24.790,
212.685

 29, 24.790,
212.685

 59, 24.790,
212.685

 19, 24.790,
212.685


 69, 24.790,
212.685

 9, 24.790, 212.685

 79, 24.790,
212.685

 0, 24.790, 212.685

 89, 24.790,
212.685

 99, 24.790,
212.685

■ 39, 24.790,
212.685

■ 39, 24.790,
212.685

■ 39, 24.606,
212.825

■ 40, 24.042,
211.537

■ 40, 23.196,
210.398

■ 41, 21.837,
209.528

■ 41, 19.959,
208.894

■ 42, 17.582,
208.464

■ 43, 14.748,
208.208

■ 44, 11.513,
208.098

■ 45, 7.936, 208.113

Harmonies

Complementary

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



39, 24.790, 212.685



23, 53.771, 39.495

Rectangle

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



39, 24.790, 212.685



39, 24.790, 262.685



39, 24.790, 32.685



39, 24.790, 82.685

Sweetspot

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



39, 24.606, 212.825



57, 14.321, 208.102



41, 63.812, 137.203



29, 9.589, 208.126



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



39, 24.606, 212.825



51, 29.837, 213.322



21, 44.371, 289.272



23, 2.288, 208.277



41, 25.664, 212.944



82, 43.645, 214.013

Inverse Universe

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



25, 58.901, 332.326



34, 71.427, 332.448



33, 45.395, 69.508



22, 4.287, 327.655



27, 61.435, 332.355



57, 104.484, 332.617

Previews

White Background



This preview shows how the CIE LCh color 39, 24.790, 212.685 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 39, 24.790, 212.685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

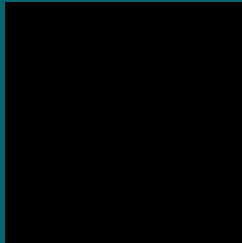
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 24.790, 212.685

Background



This preview shows how black text looks on a background with the CIELCh color 39, 24.790, 212.685.

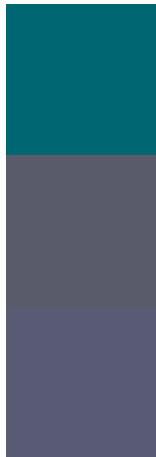


This preview shows how white text looks on a background with the CIELCh color 39, 24.790, 212.685.

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

39, 24.620, 212.829

Protanopia

39, 9.210, 286.714

Deuteranopia

39, 15.935, 291.270



Tritanopia
39, 24.698, 208.237

Trichromacy



Original Color
39, 24.620, 212.829

Protanomaly
38, 15.352, 232.463

Deuteranomaly
38, 17.410, 246.697

Tritanomaly
39, 24.656, 209.764

Monochromacy



Original Color
39, 24.620, 212.829

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 13.945, 208.090

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 24.790, 212.685 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, 102, 113)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 113)  
}
```

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, 102, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 24.790, 212.685 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, 102, 113) }
```

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

```
.border{ border-color:rgb(0, 102, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 102, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 113);  
box-shadow:4px 4px 4px 4px rgb(0, 102,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 24.790, 212.685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 102, 113) }
```

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

```
.background{ background-color: rgb(0, 102,  
113) }
```

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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