

Converting Colors

CIELCh(39, 23.488, 198.131)

Have a look what the booklet for
CIELCh(39, 23.488, 198.131)
contains.

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Color

CIELCh(39, 23.440, 198.155)

Conversions

Conversions Part 1

Format	Color
Hex	166667
RGB	22, 102, 103
RGB Percent	9%, 40%, 40%
CMY	0.9135, 0.5999, 0.5960
CMYK	0.79, 0.01, 0.00, 0.60
HSL	181°, 65%, 25%
HSV	181°, 79%, 40%
XYZ	7.5354, 10.6589, 14.4993
YIQ	78.1940, -48.0010, -16.6490

Conversions

Conversions Part 2

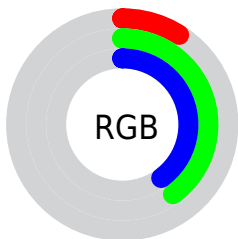
Format	Color
R_{YB}	22, 62, 103
Decimal	1468007
CIE _{Lab}	39.00, -22.27, -7.30
CIE _{LCh}	39, 23.440, 198.155
Yxy	10.6589, 0.2305, 0.3260
Android (android.graphics.Color)	4279658087 (0xFF166667)
YUV	78.1940, 12.2294, -49.2821
Hunter-Lab	32.6480, -15.9350, -3.4775

Details

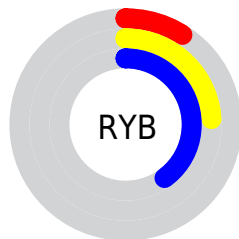
The CIELCh color **39, 23.440, 198.155** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **22, 41.577, 32.211**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 23.192, 198.755**, and **20, 16.706, 198.802** is the 20% darker color. If you saturate the color by 10%, you get **39, 24.483, 198.157**, and if you desaturate by 10%, it is **39, 21.906, 198.226**.

Distribution



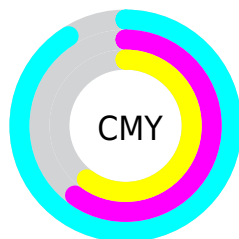
- Red (9%)
- Green (40%)
- Blue (40%)



- Red (9%)
- Yellow (24%)
- Blue (40%)



- Cyan (79%)
- Magenta (1%)
- Yellow (0%)
- Black (60%)





- Cyan (91%)
- Magenta (60%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 23.440, 198.155 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, 23.440, 198.155 by changing the saturation by 10% instead.


 39, 23.440,
198.155


 39, 23.440,
198.155

 100, 23.440,
198.155


 29, 23.440,
198.155

 59, 23.440,
198.155


 19, 23.440,
198.155


 69, 23.440,
198.155

 9, 23.440, 198.155

 79, 23.440,
198.155

 0, 23.440, 198.155

 89, 23.440,
198.155

 99, 23.440,
198.155

■ 39, 23.440,
198.155

■ 39, 23.440,
198.155

■ 39, 24.483,
198.157

■ 39, 21.906,
198.226

■ 39, 25.225,
198.206

■ 40, 19.877,
198.373

■ 39, 25.329,
198.212

■ 40, 17.373,
198.593

■ 41, 14.433,
198.881

■ 41, 11.108,
199.231

■ 42, 7.456, 199.642

■ 43, 3.538, 200.134

■ 44, 0.590, 19.937

Harmonies

Complementary

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



39, 23.440, 198.155



22, 41.577, 32.211

Rectangle

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



39, 23.440, 198.155



39, 23.440, 248.155



39, 23.440, 18.155



39, 23.440, 68.155

Sweetspot

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



39, 23.440, 198.154



54, 11.802, 199.384



38, 54.338, 137.704



28, 8.099, 199.278



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



39, 23.440, 198.154



50, 30.350, 198.214



26, 27.819, 273.021



21, 2.289, 200.116



43, 27.333, 198.235



86, 47.353, 198.350

Inverse Universe

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



25, 52.777, 328.278



32, 70.119, 328.630



31, 34.066, 65.902



20, 4.194, 325.206



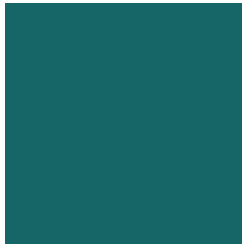
26, 63.511, 328.707



57, 110.079, 328.736

Previews

White Background



This preview shows how the CIE LCh color 39, 23.440, 198.155 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, 23.440, 198.155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

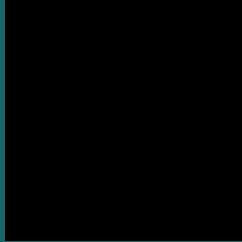
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 23.440, 198.155

Background



This preview shows how black text looks on a background with the CIELCh color 39, 23.440, 198.155.



This preview shows how white text looks on a background with the CIELCh color 39, 23.440, 198.155.

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, 23.440, 198.155

Protanopia

39, 3.101, 298.325

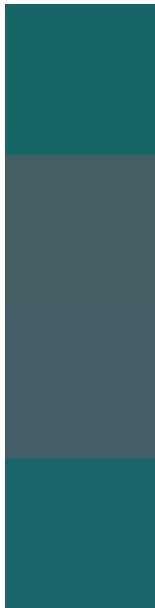
Deuteranopia

39, 10.660, 302.520



Tritanopia
39, 22.011, 209.960

Trichromacy



Original Color
39, 23.440, 198.155

Protanomaly
38, 10.813, 211.363

Deuteranomaly
38, 11.518, 234.604

Tritanomaly
39, 22.358, 206.425

Monochromacy



Original Color
39, 23.440, 198.155

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 11.243, 197.900

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 23.440, 198.155 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(22, 102, 103)` looks like.

```
.text, #text, p{  
    color:rgb(22, 102, 103)  
}
```

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(22, 102, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 102, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 23.440, 198.155 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(22, 102, 103) }
```

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

```
.border{ border-color:rgb(22, 102, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 102, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 102, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 102, 103);  
box-shadow:4px 4px 4px 4px rgb(22, 102,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 23.440, 198.155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 102, 103) }
```

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

```
.background{ background-color: rgb(22, 102,  
103) }
```

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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