

Converting Colors

CIELCh(39, 16.655, 199.512)

Have a look what the booklet for
CIELCh(39, 16.655, 199.512)
contains.

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Color

CIELCh(39, 16.655, 199.512)

Conversions

Conversions Part 1

Format	Color
Hex	346364
RGB	52, 99, 100
RGB Percent	20%, 39%, 39%
CMY	0.7946, 0.6103, 0.6064
CMYK	0.48, 0.01, 0.00, 0.61
HSL	181°, 31%, 30%
HSV	181°, 48%, 39%
XYZ	8.2487, 10.6589, 13.7704
YIQ	85.0610, -28.3330, -9.6530

Conversions

Conversions Part 2

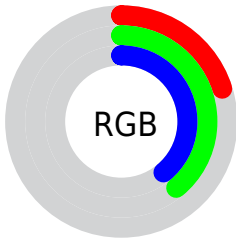
Format	Color
RYB	52, 76, 100
Decimal	3433316
CIELab	39.00, -15.70, -5.56
CIELCh	39, 16.655, 199.512
Yxy	10.6589, 0.2524, 0.3262
Android (android.graphics.Color)	4281623396 (0xFF346364)
YUV	85.0610, 7.3649, -28.9945
Hunter-Lab	32.6480, -12.0349, -2.1539




Details

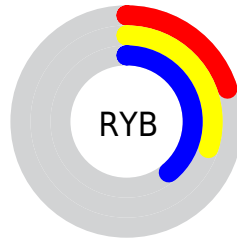
The CIELCh color **39, 16.655, 199.512** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **28, 23.092, 25.476**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 16.786, 199.839**, and **19, 16.116, 198.913** is the 20% darker color. If you saturate the color by 10%, you get **39, 19.122, 199.336**, and if you desaturate by 10%, it is **40, 13.769, 199.758**.

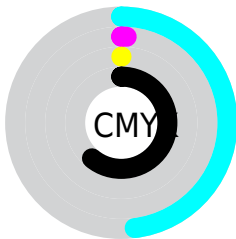
Distribution







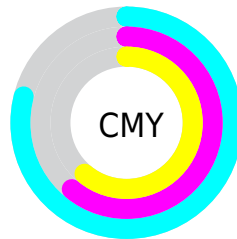
-  Red (20%)
-  Green (39%)
-  Blue (39%)






-  Red (20%)
-  Yellow (30%)
-  Blue (39%)



-  Cyan (48%)
-  Magenta (1%)
-  Yellow (0%)
-  Black (61%)





-  Cyan (79%)
-  Magenta (61%)
-  Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 16.655, 199.512 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, 16.655, 199.512 by changing the saturation by 10% instead.


 39, 16.655,
199.512


 39, 16.655,
199.512

 100, 16.655,
199.512


 29, 16.655,
199.512

 59, 16.655,
199.512


 19, 16.655,
199.512


 69, 16.655,
199.512

 9, 16.655, 199.512

 79, 16.655,
199.512

 0, 16.655, 199.512

 89, 16.655,
199.512

 99, 16.655,
199.512

■ 39, 16.655,
199.512

■ 39, 16.655,
199.512

■ 39, 19.122,
199.336

■ 40, 13.769,
199.758

■ 38, 21.130,
199.244

■ 40, 10.514,
200.075

■ 38, 22.657,
199.238

■ 41, 6.948, 200.457

■ 38, 23.704,
199.321

■ 42, 3.128, 200.930

■ 43, 0.891, 20.899

■ 37, 24.435,
199.462

■ 44, 5.059, 21.693

■ 37, 24.595,
199.491

■ 45, 9.333, 22.231

■ 46, 13.677, 22.766

■ 47, 18.061, 23.306

Harmonies

Complementary

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



39, 16.655, 199.512



28, 23.092, 25.476

Rectangle

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



39, 16.655, 199.512



39, 16.655, 249.512



39, 16.655, 19.512



39, 16.655, 69.512

Sweetspot

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



39, 16.655, 199.510



53, 6.818, 200.605



38, 34.840, 141.345



27, 4.723, 200.535



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



39, 16.655, 199.510



50, 23.219, 199.325



31, 17.314, 265.321



21, 2.270, 200.868



43, 27.029, 199.542



86, 46.797, 199.740

Inverse Universe

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



30, 34.620, 327.399



36, 49.892, 327.866



35, 19.427, 71.496



20, 4.170, 325.435



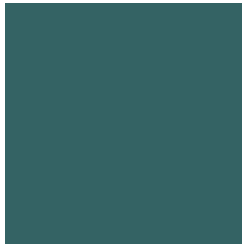
26, 63.110, 329.039



57, 109.341, 329.089

Previews

White Background



This preview shows how the CIELCh color 39, 16.655, 199.512 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 CIE LCh color 39, 16.655, 199.512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

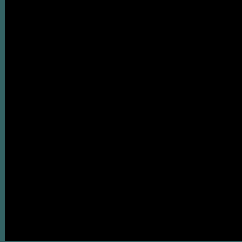
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

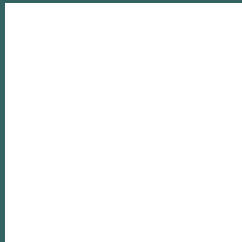
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 39, 16.655, 199.512

Background



This preview shows how black text looks on a background with the CIELCh color 39, 16.655, 199.512.



This preview shows how white text looks on a background with the CIELCh color 39, 16.655, 199.512.

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, 16.655, 199.512

Protanopia
39, 2.496, 300.146

Deuteranopia
39, 8.966, 307.160



Tritanopia
39, 15.826, 215.886

Trichromacy



Original Color
39, 16.655, 199.512

Protanomaly
39, 6.564, 215.016

Deuteranomaly
39, 7.633, 245.469

Tritanomaly
39, 15.971, 211.020

Monochromacy



Original Color
39, 16.655, 199.512

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 6.840, 203.758

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 16.655, 199.512 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(52, 99, 100)` looks like.

```
.text, #text, p{  
    color:rgb(52, 99, 100)  
}
```

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(52, 99, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 99, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 16.655, 199.512 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(52, 99, 100) }
```

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

```
.border{ border-color:rgb(52, 99, 100) }
```

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

Here you see how a box with a 4 pixel rgb(52, 99, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 99, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 99, 100);  
box-shadow:4px 4px 4px 4px rgb(52, 99,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 16.655, 199.512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 99, 100) }
```

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

```
.background{ background-color: rgb(52, 99,  
100) }
```

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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