

Converting Colors

CIELCh(39, 39.352, 140.439)

Have a look what the booklet for
CIELCh(39, 39.352, 140.439)
contains.

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Color

CIELCh(39, 39.168, 140.440)

Conversions

Conversions Part 1

Format	Color
Hex	316731
RGB	49, 103, 49
RGB Percent	19%, 40%, 19%
CMY	0.8064, 0.5947, 0.8065
CMYK	0.52, 0.00, 0.52, 0.59
HSL	120°, 35%, 30%
HSV	120°, 52%, 41%
XYZ	6.7318, 10.6589, 4.6448
YIQ	80.6980, -14.8500, -28.2420

Conversions

Conversions Part 2

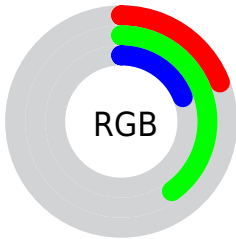
Format	Color
R_{YB}	49, 103, 103
Decimal	3237681
CIE _{Lab}	39.00, -30.20, 24.95
CIE _{LCh}	39, 39.168, 140.440
Yxy	10.6589, 0.3055, 0.4837
Android (android.graphics.Color)	4281427761 (0xFF316731)
YUV	80.6980, -15.6271, -27.7991
Hunter-Lab	32.6480, -20.3284, 14.4185




Details

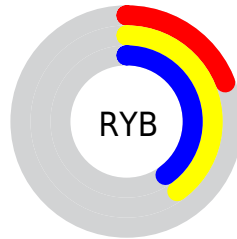
The CIELCh color **39, 39.168, 140.440** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **30, 38.975, 326.978**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 39.540, 140.128**, and **19, 38.000, 138.962** is the 20% darker color. If you saturate the color by 10%, you get **38, 45.687, 139.388**, and if you desaturate by 10%, it is **40, 32.089, 141.422**.

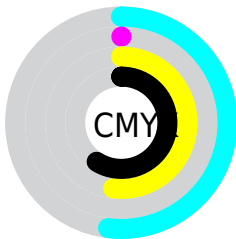
Distribution







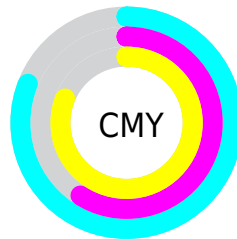
-  Red (19%)
-  Green (40%)
-  Blue (19%)






-  Red (19%)
-  Yellow (40%)
-  Blue (40%)



-  Cyan (52%)
-  Magenta (0%)
-  Yellow (52%)
-  Black (59%)





-  Cyan (81%)
-  Magenta (59%)
-  Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 39.168, 140.440 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, 39.168, 140.440 by changing the saturation by 10% instead.

 39, 39.168,
140.440

 39, 39.168,
140.440

 100, 39.168,
140.440


 29, 39.168,
140.440

 59, 39.168,
140.440


 19, 39.168,
140.440

 69, 39.168,
140.440

 9, 39.168, 140.440

 79, 39.168,
140.440

 0, 39.168, 140.440

 89, 39.168,
140.440

 99, 39.168,
140.440

■ 39, 39.168,
140.440

■ 39, 39.168,
140.440

■ 38, 45.687,
139.388

■ 40, 32.089,
141.422

■ 38, 51.398,
138.326

■ 40, 24.653,
142.303

■ 38, 56.030,
137.354

■ 41, 17.030,
143.077

■ 38, 59.361,
136.586

■ 42, 9.351, 143.751

■ 37, 61.689,
136.010

■ 43, 1.717, 144.399

■ 45, 5.801, 324.766

■ 46, 13.152,
325.198

■ 47, 20.305,
325.557

■ 49, 27.242,
325.863

Harmonies

Complementary

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



39, 39.168, 140.440



30, 38.975, 326.978

Rectangle

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



39, 39.168, 140.440



39, 39.168, 190.440



39, 39.168, 320.440



39, 39.168, 10.440

Sweetspot

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



39, 39.169, 140.440



54, 15.223, 143.480



42, 30.867, 104.765



28, 10.363, 143.382



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, 39.169, 140.440



50, 57.209, 139.115



39, 27.214, 157.660



21, 4.221, 143.960



42, 66.432, 136.011



84, 115.212, 136.014

Inverse Universe

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



30, 38.975, 326.978



36, 56.571, 327.454



29, 28.558, 347.870



20, 4.228, 324.857



26, 64.103, 328.207



57, 111.167, 328.205

Previews

White Background



This preview shows how the CIELCh color 39, 39.168, 140.440 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, 39.168, 140.440 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, 39.168, 140.440

Background



This preview shows how black text looks on a background with the CIELCh color 39, 39.168, 140.440.



This preview shows how white text looks on a background with the CIELCh color 39, 39.168, 140.440.

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, 39.168, 140.440

Protanopia

39, 28.275, 96.725

Deuteranopia

39, 23.997, 77.514



Tritanopia
39, 13.370, 219.667

Trichromacy



Original Color
39, 39.168, 140.440

Protanomaly
38, 29.652, 118.510

Deuteranomaly
38, 24.570, 110.693

Tritanomaly
39, 18.634, 169.590

Monochromacy



Original Color
39, 39.168, 140.440

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 15.188, 143.110

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 39.168, 140.440 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(49, 103, 49)` looks like.

```
.text, #text, p{  
    color:rgb(49, 103, 49)  
}
```

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(49, 103, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 103, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 39.168, 140.440 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(49, 103, 49) }
```

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

```
.border{ border-color:rgb(49, 103, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 103, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 103, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 103, 49);  
box-shadow:4px 4px 4px 4px rgb(49, 103,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 39.168, 140.440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 103, 49) }
```

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

```
.background{ background-color: rgb(49, 103,  
49) }
```

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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