

Converting Colors

CIELCh(39, 33.350, 111.364)

Have a look what the booklet for
CIELCh(39, 33.350, 111.364)
contains.

CIELCh(39, 33.251, 110.845)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(39, 33.251, 110.845)

Conversions

Conversions Part 1

Format	Color
Hex	596027
RGB	89, 96, 39
RGB Percent	35%, 38%, 15%
CMY	0.6506, 0.6231, 0.8467
CMYK	0.07, 0.00, 0.59, 0.62
HSL	67°, 42%, 27%
HSV	67°, 59%, 38%
XYZ	8.6885, 10.6589, 3.5267
YIQ	87.4090, 14.1250, -19.2110

Conversions

Conversions Part 2

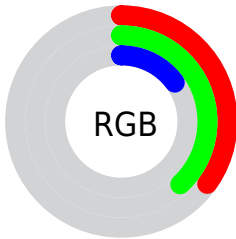
Format	Color
R_{YB}	39, 96, 46
Decimal	5857319
CIE Lab	39.00, -11.83, 31.07
CIE LCh	39, 33.251, 110.845
Yxy	10.6589, 0.3798, 0.4660
Android (android.graphics.Color)	4284047399 (0xFF596027)
YUV	87.4090, -23.8656, 1.3953
Hunter-Lab	32.6480, -9.6303, 16.4490

Details

The CIELCh color **39, 33.251, 110.845** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **20, 38.698, 301.437**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 33.216, 110.869**, and **19, 29.096, 112.528** is the 20% darker color. If you saturate the color by 10%, you get **39, 37.931, 110.346**, and if you desaturate by 10%, it is **39, 28.108, 111.459**.

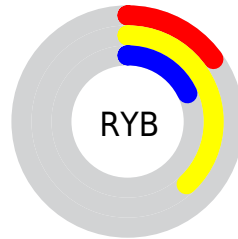
Distribution



 Red (35%)

 Green (38%)

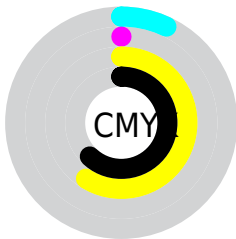
 Blue (15%)



 Red (15%)

 Yellow (38%)

 Blue (18%)

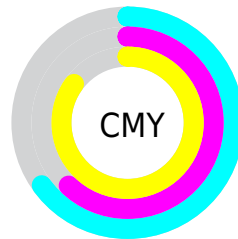



 Cyan (7%)


 Magenta (0%)

 Yellow (59%)

 Black (62%)



 Cyan (65%)


 Magenta (62%)


 Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 33.251, 110.845 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, 33.251, 110.845 by changing the saturation by 10% instead.


 39, 33.251,
110.845


 39, 33.251,
110.845

 100, 33.251,
110.845


 29, 33.251,
110.845

 59, 33.251,
110.845

 19, 33.251,
110.845


 69, 33.251,
110.845

 9, 33.251, 110.845

 79, 33.251,
110.845

 0, 33.251, 110.845

 89, 33.251,
110.845

 99, 33.251,
110.845

■ 39, 33.251,
110.845

■ 39, 33.251,
110.845

■ 39, 37.931,
110.346

■ 39, 28.108,
111.459

■ 39, 41.934,
110.010

■ 39, 22.661,
112.141

■ 38, 45.021,
109.900

■ 40, 17.022,
112.860

■ 38, 47.680,
109.875

■ 40, 11.267,
113.594

■ 38, 47.871,
109.869

■ 40, 5.447, 114.325

■ 41, 0.403, 295.072

■ 41, 6.260, 295.746

■ 42, 12.104,
296.416

■ 42, 17.925,
297.056

Harmonies

Complementary

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



39, 33.251, 110.845



20, 38.698, 301.437

Rectangle

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



39, 33.251, 110.845



39, 33.251, 160.845



39, 33.251, 290.845



39, 33.251, 340.845

Sweetspot

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



39, 33.252, 110.847



52, 13.031, 113.651



25, 26.621, 33.752



26, 9.120, 113.495



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



39, 33.252, 110.847



50, 47.651, 110.195



37, 37.061, 130.457



20, 3.300, 114.357



45, 53.411, 109.995



90, 93.479, 110.429

Inverse Universe

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



20, 38.698, 301.437



21, 58.326, 303.484



23, 39.215, 315.408



18, 3.364, 295.675



11, 72.267, 306.961



31, 126.934, 306.655

Previews

White Background



This preview shows how the CIELCh color 39, 33.251, 110.845 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, 33.251, 110.845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

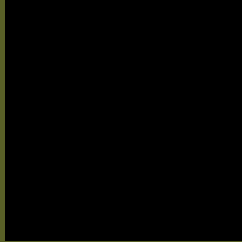
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

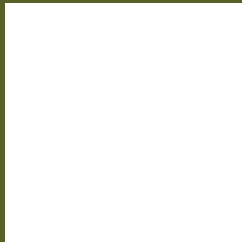
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 39, 33.251, 110.845

Background



This preview shows how black text looks on a background with the CIELCh color 39, 33.251, 110.845.



This preview shows how white text looks on a background with the CIELCh color 39, 33.251, 110.845.

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, 33.251, 110.845

Protanopia

39, 32.075, 96.200

Deuteranopia

39, 30.495, 79.460



Tritanopia
39, 4.791, 316.442

Trichromacy



Original Color
39, 33.251, 110.845

Protanomaly
39, 32.192, 101.535

Deuteranomaly
39, 30.101, 91.125

Tritanomaly
39, 9.748, 105.997

Monochromacy



Original Color
39, 33.251, 110.845

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 12.869, 114.170

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 33.251, 110.845 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(89, 96, 39)` looks like.

```
.text, #text, p{  
    color:rgb(89, 96, 39)  
}
```

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(89, 96, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 96, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 33.251, 110.845 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(89, 96, 39) }
```

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

```
.border{ border-color:rgb(89, 96, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 96, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 96, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 96, 39);  
box-shadow:4px 4px 4px 4px rgb(89, 96, 39)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 33.251, 110.845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 96, 39) }
```

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

```
.background{ background-color: rgb(89, 96,  
39) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor