

Converting Colors

CIELCh(39, 33.634, 280.116)

Have a look what the booklet for
CIELCh(39, 33.634, 280.116)
contains.

CIELCh(39, 33.634, 280.116)	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, 33.634, 280.116)

Conversions

Conversions Part 1

Format	Color
Hex	3E5C92
RGB	62, 92, 146
RGB Percent	24%, 36%, 57%
CMY	0.7586, 0.6407, 0.4291
CMYK	0.58, 0.37, 0.00, 0.43
HSL	219°, 41%, 41%
HSV	219°, 58%, 57%
XYZ	10.9074, 10.6589, 28.5020
YIQ	89.1860, -35.2140, 10.4340

Conversions

Conversions Part 2

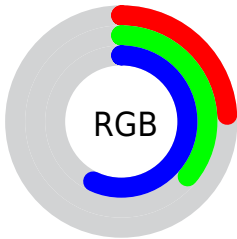
Format	Color
R_{YB}	62, 84, 146
Decimal	4086930
CIE _{Lab}	39.00, 5.91, -33.11
CIE _{LCh}	39, 33.634, 280.116
Yxy	10.6589, 0.2179, 0.2129
Android (android.graphics.Color)	4282277010 (0xFF3E5C92)
YUV	89.1860, 28.0093, -23.8421
Hunter-Lab	32.6480, 2.5011, -28.9071

Details

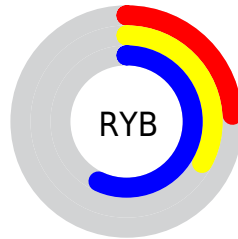
The CIELCh color **39, 33.634, 280.116** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **50, 34.323, 81.540**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 33.434, 280.030**, and **19, 33.248, 281.361** is the 20% darker color. If you saturate the color by 10%, you get **35, 39.786, 283.127**, and if you desaturate by 10%, it is **43, 27.607, 277.477**.

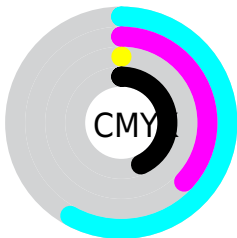
Distribution



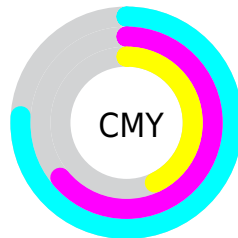
- Red (24%)
- Green (36%)
- Blue (57%)



- Red (24%)
- Yellow (33%)
- Blue (57%)



- Cyan (58%)
- Magenta (37%)
- Yellow (0%)
- Black (43%)





- Cyan (76%)
- Magenta (64%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 33.634, 280.116 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, 33.634, 280.116 by changing the saturation by 10% instead.


 39, 33.634,
280.116


 39, 33.634,
280.116

 100, 33.634,
280.116


 29, 33.634,
280.116

 59, 33.634,
280.116


 19, 33.634,
280.116


 69, 33.634,
280.116

 9, 33.634, 280.116

 79, 33.634,
280.116

 0, 33.634, 280.116

 89, 33.634,
280.116

 99, 33.634,
280.116

■ 39, 33.634,
280.116

■ 39, 33.634,
280.116

■ 35, 39.786,
283.127

■ 43, 27.607,
277.477

■ 32, 46.094,
286.479

■ 46, 21.680,
275.195

■ 29, 52.565,
290.079

■ 50, 15.834,
273.237

■ 26, 59.155,
293.688

■ 54, 10.060,
271.563

■ 25, 60.676,
294.438

■ 58, 4.357, 270.146

■ 61, 1.276, 88.694

■ 65, 6.834, 87.746

■ 69, 12.316, 86.818

■ 72, 17.718, 85.997

Harmonies

Complementary

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



39, 33.634, 280.116



50, 34.323, 81.540

Rectangle

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



39, 33.634, 280.116



39, 33.634, 330.116



39, 33.634, 100.116



39, 33.634, 150.116

Sweetspot

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



39, 33.633, 280.117



69, 11.929, 271.507



55, 34.298, 165.153



35, 7.962, 271.778



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



39, 33.633, 280.117



45, 50.221, 284.002



32, 53.019, 301.840



29, 3.235, 270.342



24, 57.958, 294.237



1, 2.817, 269.130

Inverse Universe

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



38, 38.648, 359.766



45, 55.502, 2.918



58, 45.452, 111.284



29, 3.722, 352.859



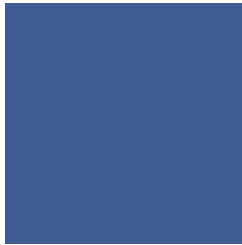
28, 53.958, 14.293



1, 3.206, 352.083

Previews

White Background



This preview shows how the CIE LCh color 39, 33.634, 280.116 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, 33.634, 280.116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

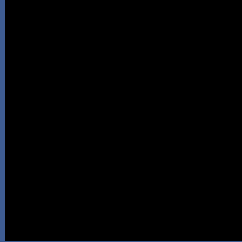
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

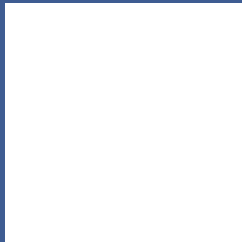
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 39, 33.634, 280.116

Background



This preview shows how black text looks on a background with the CIELCh color 39, 33.634, 280.116.



This preview shows how white text looks on a background with the CIELCh color 39, 33.634, 280.116.

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, 33.634, 280.116

Protanopia

39, 33.254, 285.091

Deuteranopia

39, 33.685, 279.715



Tritanopia
39, 18.088, 215.369

Trichromacy



Original Color
39, 33.634, 280.116

Protanomaly
39, 33.360, 283.184

Deuteranomaly
39, 33.685, 279.715

Tritanomaly
39, 20.507, 249.878

Monochromacy



Original Color
39, 33.634, 280.116

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 12.838, 273.418

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 33.634, 280.116 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(62, 92, 146)` looks like.

```
.text, #text, p{  
    color:rgb(62, 92, 146)  
}
```

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(62, 92, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 92, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 33.634, 280.116 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(62, 92, 146) }
```

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

```
.border{ border-color:rgb(62, 92, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 92, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 92, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 92, 146);  
box-shadow:4px 4px 4px 4px rgb(62, 92,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 33.634, 280.116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 92, 146) }
```

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

```
.background{ background-color: rgb(62, 92,  
146) }
```

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