

Converting Colors

CIELCh(39, 19.753, 222.929)

Have a look what the booklet for
CIELCh(39, 19.753, 222.929)
contains.

CIELCh(39, 19.633, 223.662)	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, 19.633, 223.662)

Conversions

Conversions Part 1

Format	Color
Hex	296371
RGB	41, 99, 113
RGB Percent	16%, 39%, 44%
CMY	0.8378, 0.6106, 0.5556
CMYK	0.64, 0.12, 0.00, 0.56
HSL	192°, 47%, 30%
HSV	192°, 64%, 44%
XYZ	8.4170, 10.6589, 17.3279
YIQ	83.2540, -39.0620, -7.9420

Conversions

Conversions Part 2

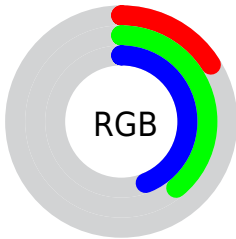
Format	Color
RYB	41, 73, 113
Decimal	2712433
CIELab	39.00, -14.20, -13.55
CIELCh	39, 19.633, 223.662
Yxy	10.6589, 0.2312, 0.2928
Android (android.graphics.Color)	4280902513 (0xFF296371)
YUV	83.2540, 14.6648, -37.0568
Hunter-Lab	32.6480, -11.1147, -8.6144




Details

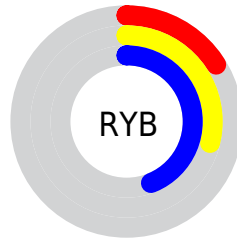
The CIELCh color **39, 19.633, 223.662** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **31, 31.624, 40.109**, and the grayscale version is **35, 0.005, 296.813**.




A 20% lighter version of the original color is **59, 19.569, 223.940**, and **19, 16.361, 230.535** is the 20% darker color. If you saturate the color by 10%, you get **38, 21.356, 225.512**, and if you desaturate by 10%, it is **40, 17.464, 222.218**.

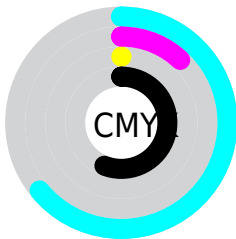
Distribution







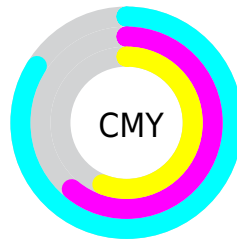
-  Red (16%)
-  Green (39%)
-  Blue (44%)






-  Red (16%)
-  Yellow (29%)
-  Blue (44%)



-  Cyan (64%)
-  Magenta (12%)
-  Yellow (0%)
-  Black (56%)




-  Cyan (84%)
-  Magenta (61%)
-  Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 19.633, 223.662 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, 19.633, 223.662 by changing the saturation by 10% instead.


 39, 19.633,
223.662

 39, 19.633,
223.662

 100, 19.633,
223.662

 29, 19.633,
223.662

 59, 19.633,
223.662

 19, 19.633,
223.662


 69, 19.633,
223.662

 9, 19.633, 223.662

 79, 19.633,
223.662

 0, 19.633, 223.662

 89, 19.633,
223.662

 99, 19.633,
223.662

■ 39, 19.633,
223.662

■ 39, 19.633,
223.662

■ 38, 21.356,
225.512

■ 40, 17.464,
222.218

■ 37, 22.630,
227.842

■ 41, 14.880,
221.114

■ 36, 23.499,
230.692

■ 43, 11.926,
220.289

■ 35, 24.020,
232.583

■ 44, 8.652, 219.691

■ 46, 5.113, 219.289

■ 47, 1.359, 219.193

■ 49, 2.564, 38.609

■ 50, 6.617, 38.602

■ 52, 10.765, 38.598

Harmonies

Complementary

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



39, 19.633, 223.662



31, 31.624, 40.109

Rectangle

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



39, 19.633, 223.662



39, 19.633, 273.662



39, 19.633, 43.662



39, 19.633, 93.662

Sweetspot

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



39, 19.633, 223.661



58, 8.804, 219.507



42, 44.358, 144.151



29, 5.982, 219.606



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



39, 19.633, 223.661



49, 26.645, 226.498



28, 32.102, 284.357



23, 2.136, 219.176



38, 25.011, 232.829



75, 42.896, 235.168

Inverse Universe

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



30, 43.421, 334.400



36, 60.545, 335.476



40, 31.507, 84.379



22, 4.004, 330.837



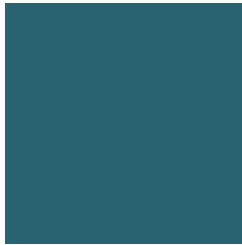
26, 57.155, 337.403



56, 96.835, 338.045

Previews

White Background



This preview shows how the CIE LCh color 39, 19.633, 223.662 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, 19.633, 223.662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

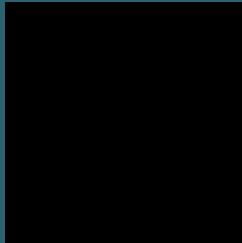
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 19.633, 223.662

Background



This preview shows how black text looks on a background with the CIELCh color 39, 19.633, 223.662.



This preview shows how white text looks on a background with the CIELCh color 39, 19.633, 223.662.

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, 19.633, 223.662

Protanopia

39, 9.850, 284.881

Deuteranopia

39, 15.331, 289.727



Tritanopia
39, 19.756, 211.722

Trichromacy



Original Color
39, 19.633, 223.662

Protanomaly
39, 12.217, 247.908

Deuteranomaly
39, 14.795, 260.044

Tritanomaly
39, 19.637, 215.657

Monochromacy



Original Color
39, 19.633, 223.662

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 8.966, 218.707

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 19.633, 223.662 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(41, 99, 113)` looks like.

```
.text, #text, p{  
    color:rgb(41, 99, 113)  
}
```

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(41, 99, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 99, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 19.633, 223.662 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(41, 99, 113) }
```

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

```
.border{ border-color:rgb(41, 99, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 99, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 99, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 99, 113);  
box-shadow:4px 4px 4px 4px rgb(41, 99,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 19.633, 223.662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 99, 113) }
```

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

```
.background{ background-color: rgb(41, 99,  
113) }
```

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