

Converting Colors

CIELCh(39, 16.986, 233.504)

Have a look what the booklet for
CIELCh(39, 16.986, 233.504)
contains.

CIELCh(39, 16.986, 233.506)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(39, 16.986, 233.506)

Conversions

Conversions Part 1

Format	Color
Hex	376272
RGB	55, 98, 114
RGB Percent	22%, 38%, 45%
CMY	0.7861, 0.6174, 0.5547
CMYK	0.52, 0.14, 0.00, 0.55
HSL	196°, 35%, 33%
HSV	196°, 52%, 45%
XYZ	8.8903, 10.6589, 17.3762
YIQ	86.9670, -30.7640, -4.1400

Conversions

Conversions Part 2

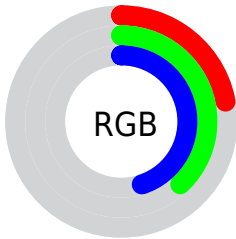
Format	Color
RYB	55, 80, 114
Decimal	3629682
CIELab	39.00, -10.10, -13.66
CIElCh	39, 16.986, 233.506
Yxy	10.6589, 0.2408, 0.2887
Android (android.graphics.Color)	4281819762 (0xFF376272)
YUV	86.9670, 13.3273, -28.0351
Hunter-Lab	32.6480, -8.5274, -8.7022

Details

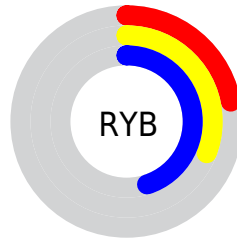
The CIELCh color **39, 16.986, 233.506** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **35, 23.904, 46.284**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 17.037, 232.984**, and **19, 16.575, 232.993** is the 20% darker color. If you saturate the color by 10%, you get **38, 19.368, 235.578**, and if you desaturate by 10%, it is **41, 14.262, 231.855**.

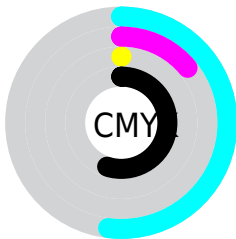
Distribution



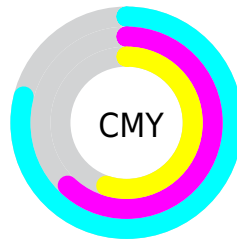
- Red (22%)
- Green (38%)
- Blue (45%)



- Red (22%)
- Yellow (31%)
- Blue (45%)



- Cyan (52%)
- Magenta (14%)
- Yellow (0%)
- Black (55%)





- Cyan (79%)
- Magenta (62%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 16.986, 233.506 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, 16.986, 233.506 by changing the saturation by 10% instead.


 39, 16.986,
233.506


 39, 16.986,
233.506

 100, 16.986,
233.506


 29, 16.986,
233.506

 59, 16.986,
233.506


 19, 16.986,
233.506


 69, 16.986,
233.506

 9, 16.986, 233.506

 79, 16.986,
233.506

 0, 16.986, 233.506

 89, 16.986,
233.506

 99, 16.986,
233.506

■ 39, 16.986,
233.506

■ 39, 16.986,
233.506

■ 38, 19.368,
235.578

■ 41, 14.262,
231.855

■ 36, 21.390,
238.155

■ 42, 11.233,
230.555

■ 35, 23.057,
241.310

■ 44, 7.941, 229.541

■ 34, 24.413,
245.088

■ 46, 4.430, 228.774

■ 48, 0.743, 228.536

■ 33, 25.467,
248.192

■ 49, 3.084, 47.482

■ 51, 7.017, 47.176

■ 53, 11.028, 46.914

■ 55, 15.096, 46.712

Harmonies

Complementary

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



39, 16.986, 233.506



35, 23.904, 46.284

Rectangle

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



39, 16.986, 233.506



39, 16.986, 283.506



39, 16.986, 53.506



39, 16.986, 103.506

Sweetspot

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



39, 16.986, 233.504



58, 7.285, 229.086



43, 34.862, 148.419



29, 4.869, 229.204



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, 16.986, 233.504



48, 23.874, 235.970



30, 29.076, 286.736



23, 2.076, 228.597



34, 26.515, 248.499



69, 46.172, 251.483

Inverse Universe

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



32, 34.905, 336.801



39, 50.131, 337.816



43, 27.536, 92.253



22, 3.792, 333.667



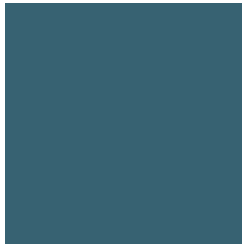
26, 54.201, 342.105



55, 91.636, 343.143

Previews

White Background



This preview shows how the CIE LCh color 39, 16.986, 233.506 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, 16.986, 233.506 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, 16.986, 233.506

Background



This preview shows how black text looks on a background with the CIELCh color 39, 16.986, 233.506.



This preview shows how white text looks on a background with the CIELCh color 39, 16.986, 233.506.

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, 16.986, 233.506

Protanopia

39, 11.064, 285.871

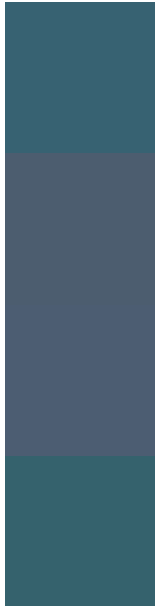
Deuteranopia

39, 15.331, 289.727



Tritanopia
39, 16.598, 214.909

Trichromacy



Original Color
39, 16.986, 233.506

Protanomaly
39, 12.482, 261.665

Deuteranomaly
39, 14.053, 266.018

Tritanomaly
39, 16.424, 222.193

Monochromacy



Original Color
39, 16.986, 233.506

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 7.196, 229.804

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 16.986, 233.506 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(55, 98, 114)` looks like.

```
.text, #text, p{  
    color:rgb(55, 98, 114)  
}
```

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(55, 98, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 98, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 16.986, 233.506 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(55, 98, 114) }
```

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

```
.border{ border-color:rgb(55, 98, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 98, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 98, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 98, 114);  
box-shadow:4px 4px 4px 4px rgb(55, 98,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 16.986, 233.506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 98, 114) }
```

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

```
.background{ background-color: rgb(55, 98,  
114) }
```

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