

Converting Colors

CIELCh(39, 17.085, 200.236)

Have a look what the booklet for
CIELCh(39, 17.085, 200.236)
contains.

CIELCh(39, 17.202, 199.390)	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, 17.202, 199.390)

Conversions

Conversions Part 1

Format	Color
Hex	336465
RGB	51, 100, 101
RGB Percent	20%, 39%, 40%
CMY	0.8017, 0.6095, 0.6055
CMYK	0.50, 0.01, 0.00, 0.61
HSL	181°, 33%, 30%
HSV	181°, 50%, 39%
XYZ	8.1899, 10.6589, 13.8315
YIQ	85.4630, -29.5250, -10.0770

Conversions

Conversions Part 2

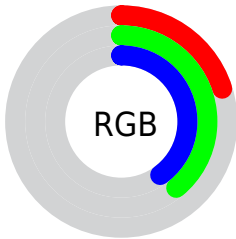
Format	Color
RYB	51, 76, 101
Decimal	3368037
CIELab	39.00, -16.23, -5.71
CIELCh	39, 17.202, 199.390
Yxy	10.6589, 0.2506, 0.3262
Android (android.graphics.Color)	4281558117 (0xFF336465)
YUV	85.4630, 7.6597, -30.2241
Hunter-Lab	32.6480, -12.3567, -2.2648

Details

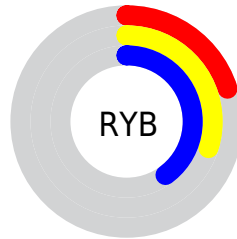
The CIELCh color **39, 17.202, 199.390** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **28, 24.208, 25.733**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 17.083, 199.784**, and **19, 16.313, 198.875** is the 20% darker color. If you saturate the color by 10%, you get **39, 19.590, 199.224**, and if you desaturate by 10%, it is **40, 14.384, 199.627**.

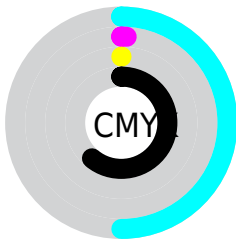
Distribution



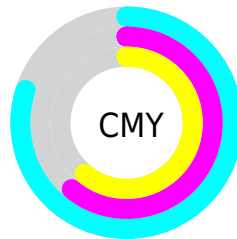
- Red (20%)
- Green (39%)
- Blue (40%)



- Red (20%)
- Yellow (30%)
- Blue (40%)



- Cyan (50%)
- Magenta (1%)
- Yellow (0%)
- Black (61%)





- Cyan (80%)
- Magenta (61%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 17.202, 199.390 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, 17.202, 199.390 by changing the saturation by 10% instead.


 39, 17.202,
199.390


 39, 17.202,
199.390

 100, 17.202,
199.390


 29, 17.202,
199.390

 59, 17.202,
199.390


 19, 17.202,
199.390


 69, 17.202,
199.390

 9, 17.202, 199.390

 79, 17.202,
199.390

 0, 17.202, 199.390

 89, 17.202,
199.390

 99, 17.202,
199.390

■ 39, 17.202,
199.390

■ 39, 17.202,
199.390

■ 39, 19.590,
199.224

■ 40, 14.384,
199.627

■ 38, 21.513,
199.142

■ 40, 11.187,
199.935

■ 38, 22.952,
199.146

■ 41, 7.667, 200.308

■ 38, 23.913,
199.239

■ 42, 3.881, 200.758

■ 37, 24.637,
199.371

■ 43, 0.115, 18.201

■ 37, 24.658,
199.374

■ 44, 4.269, 21.522

■ 45, 8.538, 22.067

■ 46, 12.882, 22.604

■ 47, 17.271, 23.145

Harmonies

Complementary

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



39, 17.202, 199.390



28, 24.208, 25.733

Rectangle

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



39, 17.202, 199.390



39, 17.202, 249.390



39, 17.202, 19.390



39, 17.202, 69.390

Sweetspot

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



39, 17.202, 199.388



53, 7.290, 200.489



38, 36.198, 141.153



27, 4.992, 200.424



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



39, 17.202, 199.388



49, 24.030, 199.201



31, 18.015, 265.791



21, 2.272, 200.800



43, 27.056, 199.421



86, 46.846, 199.612

Inverse Universe

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



29, 35.963, 327.463



36, 52.081, 327.965



34, 20.312, 71.260



20, 4.172, 325.414



26, 63.146, 329.009



57, 109.408, 329.057

Previews

White Background



This preview shows how the CIELCh color 39, 17.202, 199.390 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, 17.202, 199.390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

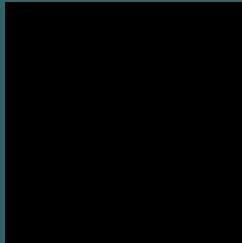
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 17.202, 199.390

Background



This preview shows how black text looks on a background with the CIELCh color 39, 17.202, 199.390.



This preview shows how white text looks on a background with the CIELCh color 39, 17.202, 199.390.

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, 17.202, 199.390

Protanopia

39, 2.496, 300.146

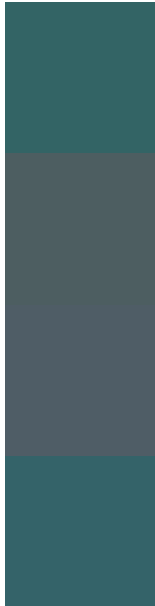
Deuteranopia

39, 8.966, 307.160



Tritanopia
39, 16.346, 215.211

Trichromacy



Original Color
39, 17.202, 199.390

Protanomaly
39, 6.926, 214.100

Deuteranomaly
39, 7.633, 245.469

Tritanomaly
39, 16.502, 210.510

Monochromacy



Original Color
39, 17.202, 199.390

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 7.216, 203.436

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 17.202, 199.390 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(51, 100, 101)` looks like.

```
.text, #text, p{  
    color:rgb(51, 100, 101)  
}
```

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(51, 100, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 100, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 17.202, 199.390 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(51, 100, 101) }
```

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

```
.border{ border-color:rgb(51, 100, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 100, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 100, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 100, 101);  
box-shadow:4px 4px 4px 4px rgb(51, 100,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 17.202, 199.390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 100, 101) }
```

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

```
.background{ background-color: rgb(51, 100,  
101) }
```

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