

Converting Colors

CIELCh(39, 21.421, 249.070)

Have a look what the booklet for
CIELCh(39, 21.421, 249.070)
contains.

CIELCh(39, 21.481, 249.115)	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, 21.481, 249.115)

Conversions

Conversions Part 1

Format	Color
Hex	31617C
RGB	49, 97, 124
RGB Percent	19%, 38%, 49%
CMY	0.8078, 0.6196, 0.5137
CMYK	0.60, 0.22, 0.00, 0.51
HSL	202°, 43%, 34%
HSV	202°, 60%, 49%
XYZ	9.1806, 10.6589, 20.6442
YIQ	85.7260, -37.2750, -1.7790

Conversions

Conversions Part 2

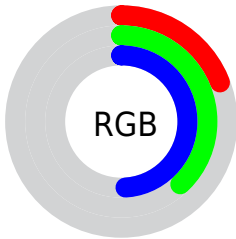
Format	Color
R_{YB}	49, 78, 124
Decimal	3236220
CIE _{Lab}	39.00, -7.66, -20.07
CIE _{LCh}	39, 21.481, 249.115
Yxy	10.6589, 0.2268, 0.2633
Android (android.graphics.Color)	4281426300 (0xFF31617C)
YUV	85.7260, 18.8691, -32.2087
Hunter-Lab	32.6480, -6.9399, -14.6371

Details

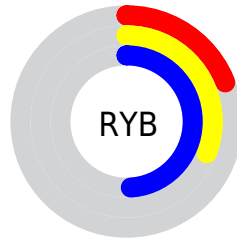
The CIELCh color **39, 21.481, 249.115** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **37, 29.972, 54.505**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 21.529, 248.687**, and **20, 19.908, 254.237** is the 20% darker color. If you saturate the color by 10%, you get **37, 24.209, 252.258**, and if you desaturate by 10%, it is **41, 18.488, 246.508**.

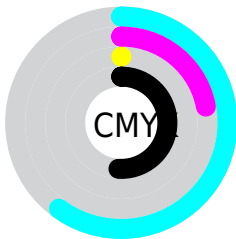
Distribution



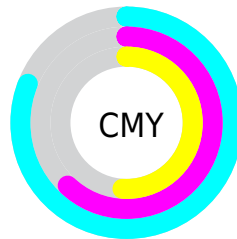
- Red (19%)
- Green (38%)
- Blue (49%)



- Red (19%)
- Yellow (31%)
- Blue (49%)



- Cyan (60%)
- Magenta (22%)
- Yellow (0%)
- Black (51%)





- Cyan (81%)
- Magenta (62%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 21.481, 249.115 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, 21.481, 249.115 by changing the saturation by 10% instead.


 39, 21.481,
249.115


 39, 21.481,
249.115

 100, 21.481,
249.115


 29, 21.481,
249.115

 59, 21.481,
249.115


 19, 21.481,
249.115


 69, 21.481,
249.115

 9, 21.481, 249.115

 79, 21.481,
249.115

 0, 21.481, 249.115

 89, 21.481,
249.115

 99, 21.481,
249.115

■ 39, 21.481,
249.115

■ 39, 21.481,
249.115

■ 37, 24.209,
252.258

■ 41, 18.488,
246.508

■ 35, 26.699,
255.986

■ 43, 15.237,
244.368

■ 34, 29.008,
260.293

■ 45, 11.750,
242.623

■ 32, 31.207,
264.515

■ 47, 8.057, 241.207

■ 50, 4.195, 240.077

■ 52, 0.198, 240.720

■ 54, 3.906, 58.168

■ 57, 8.087, 57.560

■ 59, 12.324, 57.032

Harmonies

Complementary

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



39, 21.481, 249.115



37, 29.972, 54.505

Rectangle

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



39, 21.481, 249.115



39, 21.481, 299.115



39, 21.481, 69.115



39, 21.481, 119.115

Sweetspot

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



39, 21.480, 249.115



61, 8.787, 240.952



46, 40.213, 150.387



31, 6.125, 241.260



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



39, 21.480, 249.115



47, 30.538, 253.772



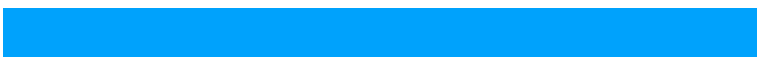
28, 41.130, 293.237



25, 2.236, 239.941



32, 31.393, 264.559



64, 54.764, 267.523

Inverse Universe

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



33, 40.358, 342.043



39, 56.815, 343.915



47, 36.537, 96.692



24, 3.828, 337.405



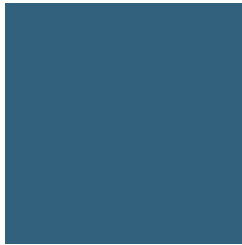
27, 52.874, 348.594



55, 88.117, 350.112

Previews

White Background



This preview shows how the CIE LCh color 39, 21.481, 249.115 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, 21.481, 249.115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

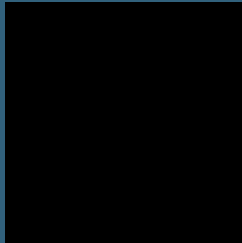
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 21.481, 249.115

Background



This preview shows how black text looks on a background with the CIELCh color 39, 21.481, 249.115.

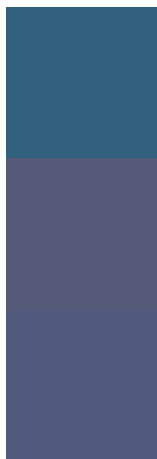


This preview shows how white text looks on a background with the CIELCh color 39, 21.481, 249.115.

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, 21.481, 249.115

Protanopia

39, 17.855, 285.889

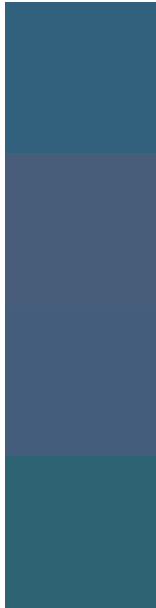
Deuteranopia

39, 22.176, 285.425



Tritanopia
39, 19.147, 212.258

Trichromacy



Original Color
39, 21.481, 249.115

Protanomaly
39, 18.433, 268.478

Deuteranomaly
39, 20.816, 270.419

Tritanomaly
39, 19.036, 226.760

Monochromacy



Original Color
39, 21.481, 249.115

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 8.836, 243.373

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 21.481, 249.115 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(49, 97, 124)` looks like.

```
.text, #text, p{  
    color:rgb(49, 97, 124)  
}
```

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(49, 97, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 97, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 21.481, 249.115 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(49, 97, 124) }
```

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

```
.border{ border-color:rgb(49, 97, 124) }
```

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

Here you see how a box with a 4 pixel rgb(49, 97, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 97, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 97, 124);  
box-shadow:4px 4px 4px 4px rgb(49, 97,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 21.481, 249.115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 97, 124) }
```

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

```
.background{ background-color: rgb(49, 97,  
124) }
```

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