

Converting Colors

CIELCh(39, 19.921, 222.024)

Have a look what the booklet for
CIELCh(39, 19.921, 222.024)
contains.

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Color

CIELCh(39, 19.900, 221.216)

Conversions

Conversions Part 1

Format	Color
Hex	286471
RGB	40, 100, 113
RGB Percent	16%, 39%, 44%
CMY	0.8450, 0.6095, 0.5585
CMYK	0.65, 0.12, 0.00, 0.56
HSL	191°, 48%, 30%
HSV	191°, 65%, 44%
XYZ	8.3305, 10.6589, 17.1164
YIQ	83.5420, -39.9330, -8.6770

Conversions

Conversions Part 2

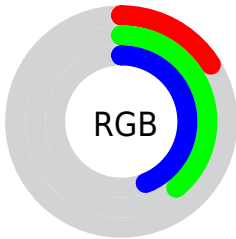
Format	Color
RYB	40, 73, 113
Decimal	2647153
CIELab	39.00, -14.97, -13.11
CIELCh	39, 19.900, 221.216
Yxy	10.6589, 0.2307, 0.2952
Android (android.graphics.Color)	4280837233 (0xFF286471)
YUV	83.5420, 14.5228, -38.1863
Hunter-Lab	32.6480, -11.5878, -8.2305




Details

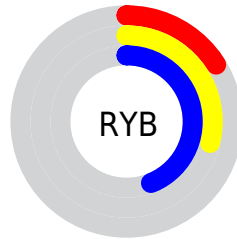
The CIELCh color **39, 19.900, 221.216** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **30, 32.611, 38.960**, and the grayscale version is **35, 0.005, 296.813**.




A 20% lighter version of the original color is **59, 19.909, 221.576**, and **20, 16.340, 227.562** is the 20% darker color. If you saturate the color by 10%, you get **38, 21.525, 222.922**, and if you desaturate by 10%, it is **40, 17.814, 219.893**.

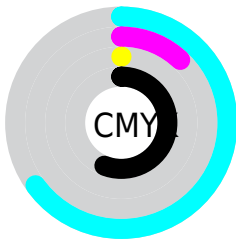
Distribution







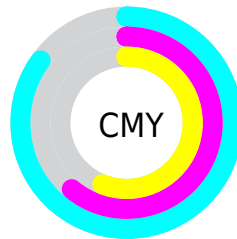
-  Red (16%)
-  Green (39%)
-  Blue (44%)






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



-  Cyan (65%)
-  Magenta (12%)
-  Yellow (0%)
-  Black (56%)





-  Cyan (85%)
-  Magenta (61%)
-  Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 19.900, 221.216 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, 19.900, 221.216 by changing the saturation by 10% instead.


 39, 19.900,
221.216


 39, 19.900,
221.216

 100, 19.900,
221.216


 29, 19.900,
221.216

 59, 19.900,
221.216


 19, 19.900,
221.216


 69, 19.900,
221.216

 9, 19.900, 221.216

 79, 19.900,
221.216

 0, 19.900, 221.216

 89, 19.900,
221.216

 99, 19.900,
221.216

■ 39, 19.900,
221.216

■ 39, 19.900,
221.216

■ 38, 21.525,
222.922

■ 40, 17.814,
219.893

■ 37, 22.690,
225.079

■ 41, 15.298,
218.891

■ 36, 23.457,
227.695

■ 43, 12.395,
218.154

■ 36, 23.831,
229.034

■ 44, 9.158, 217.633

■ 45, 5.643, 217.296

■ 47, 1.902, 217.194

■ 48, 2.019, 36.706

■ 50, 6.076, 36.786

■ 51, 10.235, 36.836

Harmonies

Complementary

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



39, 19.900, 221.216



30, 32.611, 38.960

Rectangle

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



39, 19.900, 221.216



39, 19.900, 271.216



39, 19.900, 41.216



39, 19.900, 91.216

Sweetspot

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



39, 19.900, 221.215



57, 8.761, 217.429



42, 45.489, 143.462



29, 6.036, 217.508



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, 19.900, 221.215



48, 26.660, 223.962



28, 31.895, 283.562



23, 2.156, 217.188



38, 24.923, 229.285



76, 42.637, 231.424

Inverse Universe

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



29, 44.423, 333.797



35, 61.271, 334.849



39, 31.703, 82.806



22, 4.052, 330.254



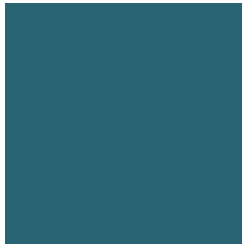
26, 57.858, 336.458



56, 98.085, 337.025

Previews

White Background



This preview shows how the CIE LCh color 39, 19.900, 221.216 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, 19.900, 221.216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

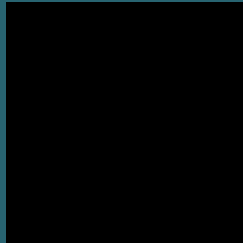
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 19.900, 221.216

Background



This preview shows how black text looks on a background with the CIELCh color 39, 19.900, 221.216.

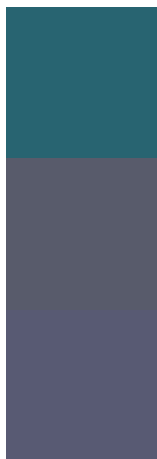


This preview shows how white text looks on a background with the CIELCh color 39, 19.900, 221.216.

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, 19.900, 221.216

Protanopia
39, 9.850, 284.881

Deuteranopia
39, 15.331, 289.727



Tritanopia
39, 20.141, 211.399

Trichromacy



Original Color
39, 19.900, 221.216

Protanomaly
39, 12.436, 246.735

Deuteranomaly
38, 14.956, 258.950

Tritanomaly
39, 20.018, 215.257

Monochromacy



Original Color
39, 19.900, 221.216

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 8.975, 218.720

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 19.900, 221.216 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(40, 100, 113)` looks like.

```
.text, #text, p{  
    color:rgb(40, 100, 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(40, 100, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 100, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 19.900, 221.216 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(40, 100, 113) }
```

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

```
.border{ border-color:rgb(40, 100, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 100, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 100, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 100, 113);  
box-shadow:4px 4px 4px 4px rgb(40, 100,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 19.900, 221.216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 100, 113) }
```

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

```
.background{ background-color: rgb(40, 100,  
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](#).

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