

Converting Colors

CIELCh(39, 22.350, 179.089)

Have a look what the booklet for
CIELCh(39, 22.350, 179.089)
contains.

CIELCh(39, 22.391, 179.075)	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, 22.391, 179.075)

Conversions

Conversions Part 1

Format	Color
Hex	2A665B
RGB	42, 102, 91
RGB Percent	16%, 40%, 36%
CMY	0.8369, 0.6015, 0.6446
CMYK	0.59, 0.00, 0.11, 0.60
HSL	169°, 42%, 28%
HSV	169°, 59%, 40%
XYZ	7.5233, 10.6589, 11.4736
YIQ	82.8060, -32.2290, -16.1410

Conversions

Conversions Part 2

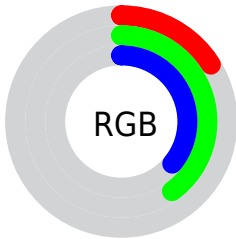
Format	Color
RYB	42, 75, 102
Decimal	2778715
CIELab	39.00, -22.39, 0.36
CIELCh	39, 22.391, 179.075
Yxy	10.6589, 0.2537, 0.3594
Android (android.graphics.Color)	4280968795 (0xFF2A665B)
YUV	82.8060, 4.0396, -35.7869
Hunter-Lab	32.6480, -16.0011, 2.0172




Details

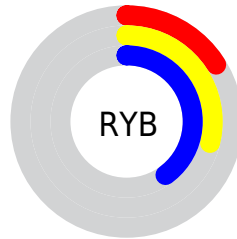
The CIELCh color **39, 22.391, 179.075** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **26, 28.904, 12.782**, and the grayscale version is **35, 0.005, 296.813**.




A 20% lighter version of the original color is **59, 22.125, 179.389**, and **20, 19.809, 175.559** is the 20% darker color. If you saturate the color by 10%, you get **39, 25.043, 177.906**, and if you desaturate by 10%, it is **39, 19.316, 180.149**.

Distribution







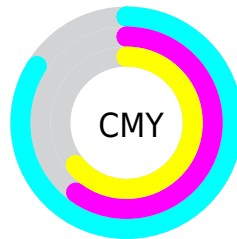
-  Red (16%)
-  Green (40%)
-  Blue (36%)






-  Red (16%)
-  Yellow (29%)
-  Blue (40%)



-  Cyan (59%)
-  Magenta (0%)
-  Yellow (11%)
-  Black (60%)





-  Cyan (84%)
-  Magenta (60%)
-  Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 22.391, 179.075 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, 22.391, 179.075 by changing the saturation by 10% instead.


 39, 22.391,
179.075


 39, 22.391,
179.075

 100, 22.391,
179.075


 29, 22.391,
179.075

 59, 22.391,
179.075


 19, 22.391,
179.075


 69, 22.391,
179.075

 9, 22.391, 179.075

 79, 22.391,
179.075

 0, 22.391, 179.075

 89, 22.391,
179.075

 99, 22.391,
179.075

■ 39, 22.391,
179.075

■ 39, 22.391,
179.075

■ 39, 25.043,
177.906

■ 39, 19.316,
180.149

■ 38, 27.237,
176.628

■ 40, 15.868,
181.152

■ 38, 28.967,
175.221

■ 41, 12.109,
182.096

■ 38, 30.442,
173.788

■ 41, 8.103, 182.997

■ 38, 30.580,
173.663

■ 42, 3.913, 183.888

■ 43, 0.405, 3.847

■ 44, 4.801, 5.346

■ 45, 9.234, 6.140

■ 46, 13.670, 6.891

Harmonies

Complementary

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



39, 22.391, 179.075



26, 28.904, 12.782

Rectangle

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



39, 22.391, 179.075



39, 22.391, 229.075



39, 22.391, 359.075



39, 22.391, 49.075

Sweetspot

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



39, 22.391, 179.074



53, 9.524, 183.046



38, 40.982, 135.938



27, 6.540, 182.856



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, 22.391, 179.074



50, 31.408, 177.410



33, 17.447, 241.868



21, 2.428, 183.902



43, 33.431, 173.400



86, 58.762, 172.269

Inverse Universe

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



26, 28.904, 12.782



31, 43.065, 16.708



30, 24.935, 50.509



19, 2.514, 5.241



23, 50.990, 28.166



51, 91.235, 31.673

Previews

White Background



This preview shows how the CIELCh color 39, 22.391, 179.075 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, 22.391, 179.075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

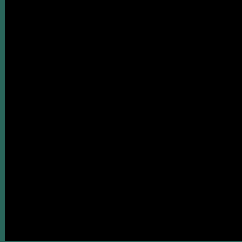
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 22.391, 179.075

Background



This preview shows how black text looks on a background with the CIELCh color 39, 22.391, 179.075.



This preview shows how white text looks on a background with the CIELCh color 39, 22.391, 179.075.

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, 22.391, 179.075

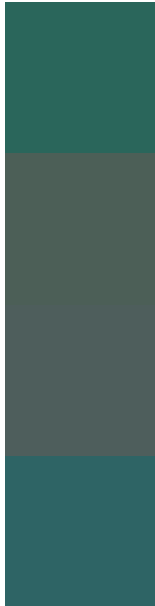
Protanopia
39, 4.045, 84.142

Deuteranopia
39, 4.911, 350.218



Tritanopia
39, 17.569, 213.821

Trichromacy



Original Color
39, 22.391, 179.075

Protanomaly
39, 9.325, 166.455

Deuteranomaly
39, 6.640, 187.889

Tritanomaly
39, 18.485, 199.098

Monochromacy



Original Color
39, 22.391, 179.075

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 9.315, 182.629

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 22.391, 179.075 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(42, 102, 91)` looks like.

```
.text, #text, p{  
    color:rgb(42, 102, 91)  
}
```

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(42, 102, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 102, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 22.391, 179.075 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(42, 102, 91) }
```

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

```
.border{ border-color:rgb(42, 102, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 102, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 102, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 102, 91);  
box-shadow:4px 4px 4px 4px rgb(42, 102,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 22.391, 179.075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 102, 91) }
```

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

```
.background{ background-color: rgb(42, 102,  
91) }
```

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