

Converting Colors

CIELCh(39, 29.308, 165.373)

Have a look what the booklet for
CIELCh(39, 29.308, 165.373)
contains.

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Color

CIELCh(39, 28.998, 165.529)

Conversions

Conversions Part 1

Format	Color
Hex	21674F
RGB	33, 103, 79
RGB Percent	13%, 40%, 31%
CMY	0.8692, 0.5949, 0.6891
CMYK	0.68, 0.00, 0.23, 0.59
HSL	159°, 51%, 27%
HSV	159°, 68%, 41%
XYZ	6.9408, 10.6589, 9.1433
YIQ	79.3340, -34.0160, -22.3040

Conversions

Conversions Part 2

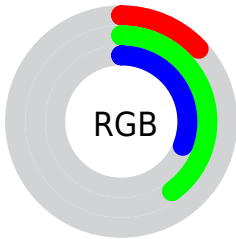
Format	Color
R_{YB}	33, 75, 103
Decimal	2189135
CIE Lab	39.00, -28.08, 7.25
CIE LCh	39, 28.998, 165.529
Yxy	10.6589, 0.2595, 0.3986
Android (android.graphics.Color)	4280379215 (0xFF21674F)
YUV	79.3340, -0.1647, -40.6349
Hunter-Lab	32.6480, -19.1858, 6.2490

Details

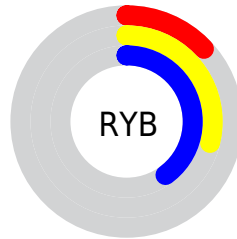
The CIELCh color **39, 28.998, 165.529** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **25, 33.637, 2.644**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 29.115, 165.105**, and **19, 24.144, 160.936** is the 20% darker color. If you saturate the color by 10%, you get **39, 32.070, 163.925**, and if you desaturate by 10%, it is **39, 25.501, 166.967**.

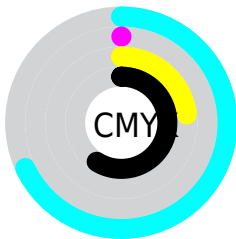
Distribution



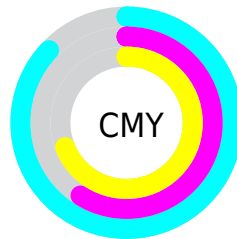
- Red (13%)
- Green (40%)
- Blue (31%)



- Red (13%)
- Yellow (29%)
- Blue (40%)



- Cyan (68%)
- Magenta (0%)
- Yellow (23%)
- Black (59%)





- Cyan (87%)
- Magenta (59%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 28.998, 165.529 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, 28.998, 165.529 by changing the saturation by 10% instead.


 39, 28.998,
165.529


 39, 28.998,
165.529

 100, 28.998,
165.529


 29, 28.998,
165.529

 59, 28.998,
165.529

 19, 28.998,
165.529


 69, 28.998,
165.529

 9, 28.998, 165.529

 79, 28.998,
165.529

 0, 28.998, 165.529

 89, 28.998,
165.529

 99, 28.998,
165.529

■ 39, 28.998,
165.529

■ 39, 28.998,
165.529

■ 39, 32.070,
163.925

■ 39, 25.501,
166.967

■ 38, 34.692,
162.144

■ 40, 21.626,
168.263

■ 38, 37.005,
160.298

■ 41, 17.436,
169.436

■ 38, 37.537,
159.906

■ 41, 13.002,
170.507

■ 42, 8.393, 171.497

■ 43, 3.675, 172.446

■ 44, 1.098, 352.951

■ 45, 5.878, 353.955

■ 46, 10.629,

354.724

Harmonies

Complementary

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



39, 28.998, 165.529



25, 33.637, 2.644

Rectangle

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



39, 28.998, 165.529



39, 28.998, 215.529



39, 28.998, 345.529



39, 28.998, 35.529

Sweetspot

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



39, 28.998, 165.528



54, 11.790, 171.220



39, 44.573, 131.160



28, 8.090, 171.017



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



39, 28.998, 165.528



50, 40.720, 162.944



36, 19.323, 217.162



21, 2.646, 172.330



42, 40.636, 159.614



85, 72.226, 158.164

Inverse Universe

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



25, 33.637, 2.644



30, 47.701, 7.346



26, 32.458, 37.230



19, 2.702, 353.738



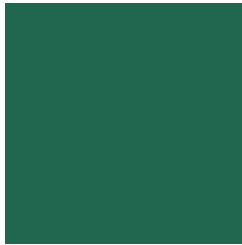
23, 47.353, 14.521



51, 83.172, 18.150

Previews

White Background



This preview shows how the CIELCh color 39, 28.998, 165.529 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, 28.998, 165.529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

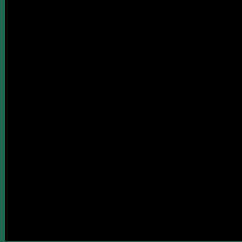
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 28.998, 165.529

Background



This preview shows how black text looks on a background with the CIELCh color 39, 28.998, 165.529.



This preview shows how white text looks on a background with the CIELCh color 39, 28.998, 165.529.

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, 28.998, 165.529

Protanopia
39, 11.301, 94.448

Deuteranopia
39, 7.335, 44.660



Tritanopia
39, 18.501, 212.862

Trichromacy



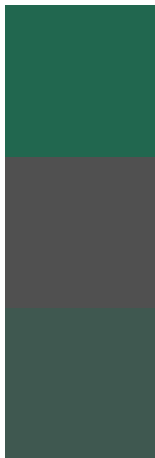
Original Color
39, 28.998, 165.529

Protanomaly
38, 15.263, 144.404

Deuteranomaly
38, 10.064, 151.242

Tritanomaly
39, 20.481, 191.720

Monochromacy



Original Color
39, 28.998, 165.529

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 11.483, 172.055

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 28.998, 165.529 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(33, 103, 79)` looks like.

```
.text, #text, p{  
    color:rgb(33, 103, 79)  
}
```

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(33, 103, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 103, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 28.998, 165.529 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(33, 103, 79) }
```

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

```
.border{ border-color:rgb(33, 103, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 103, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 103, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 103, 79);  
box-shadow:4px 4px 4px 4px rgb(33, 103,  
79) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 28.998, 165.529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 103, 79) }
```

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

```
.background{ background-color: rgb(33, 103,  
79) }
```

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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