

Converting Colors

CIELCh(39, 28.427, 160.583)

Have a look what the booklet for
CIELCh(39, 28.427, 160.583)
contains.

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Color

CIELCh(39, 28.413, 160.656)

Conversions

Conversions Part 1

Format	Color
Hex	2A674C
RGB	42, 103, 76
RGB Percent	16%, 40%, 30%
CMY	0.8363, 0.5970, 0.7028
CMYK	0.59, 0.00, 0.26, 0.60
HSL	153°, 42%, 28%
HSV	153°, 59%, 40%
XYZ	7.0680, 10.6589, 8.4818
YIQ	81.6830, -27.6890, -21.3290

Conversions

Conversions Part 2

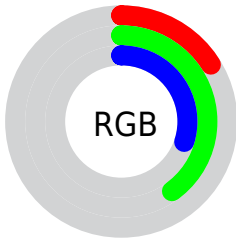
Format	Color
RYB	42, 81, 103
Decimal	2778956
CIELab	39.00, -26.81, 9.41
CIELCh	39, 28.413, 160.656
Yxy	10.6589, 0.2697, 0.4067
Android (android.graphics.Color)	4280969036 (0xFF2A674C)
YUV	81.6830, -2.8017, -34.8020
Hunter-Lab	32.6480, -18.4903, 7.4503

Details

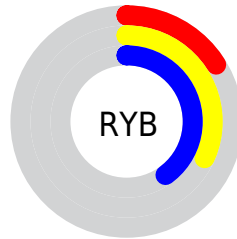
The CIELCh color **39, 28.413, 160.656** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **27, 30.790, 353.721**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 28.699, 160.653**, and **19, 25.576, 157.515** is the 20% darker color. If you saturate the color by 10%, you get **39, 32.324, 159.150**, and if you desaturate by 10%, it is **40, 24.134, 161.998**.

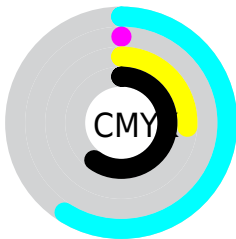
Distribution



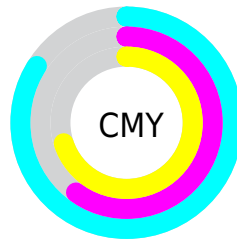
- Red (16%)
- Green (40%)
- Blue (30%)



- Red (16%)
- Yellow (32%)
- Blue (40%)



- Cyan (59%)
- Magenta (0%)
- Yellow (26%)
- Black (60%)



- Cyan (84%)
- Magenta (60%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 28.413, 160.656 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, 28.413, 160.656 by changing the saturation by 10% instead.

 39, 28.413,
160.656


 39, 28.413,
160.656

 100, 28.413,
160.656

 29, 28.413,
160.656

 59, 28.413,
160.656

 19, 28.413,
160.656

 69, 28.413,
160.656

 9, 28.413, 160.656

 79, 28.413,
160.656

 0, 28.413, 160.656

 89, 28.413,
160.656

 99, 28.413,
160.656

■ 39, 28.413,
160.656

■ 39, 28.413,
160.656

■ 39, 32.324,
159.150

■ 40, 24.134,
161.998

■ 38, 35.812,
157.466

■ 40, 19.553,
163.199

■ 38, 38.851,
155.592

■ 41, 14.747,
164.279

■ 38, 41.638,
153.730

■ 42, 9.789, 165.260

■ 43, 4.747, 166.174

■ 38, 41.814,
153.623

■ 44, 0.322, 346.113

■ 45, 5.371, 347.631

■ 46, 10.364,
348.352

■ 47, 15.273,

Harmonies

Complementary

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



39, 28.413, 160.656



27, 30.790, 353.721

Rectangle

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



39, 28.413, 160.656



39, 28.413, 210.656



39, 28.413, 340.656



39, 28.413, 30.656

Sweetspot

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



39, 28.413, 160.655



53, 11.219, 165.342



40, 38.418, 128.281



27, 7.725, 165.141



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, 28.413, 160.655



49, 40.343, 158.565



39, 19.235, 202.763



21, 2.826, 166.215



42, 45.487, 153.304



85, 81.192, 151.812

Inverse Universe

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



27, 30.790, 353.721



32, 43.721, 356.498



26, 29.567, 29.376



19, 2.868, 347.557



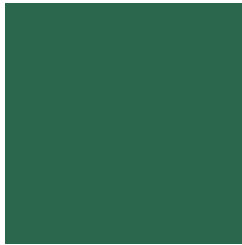
23, 46.840, 5.326



52, 81.257, 8.481

Previews

White Background



This preview shows how the CIELCh color 39, 28.413, 160.656 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, 28.413, 160.656 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, 28.413, 160.656

Background



This preview shows how black text looks on a background with the CIELCh color 39, 28.413, 160.656.



This preview shows how white text looks on a background with the CIELCh color 39, 28.413, 160.656.

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, 28.413, 160.656

Protanopia

39, 13.184, 93.997

Deuteranopia

39, 9.484, 55.368



Tritanopia
39, 16.598, 214.909

Trichromacy



Original Color
39, 28.413, 160.656

Protanomaly
38, 15.898, 135.895

Deuteranomaly
38, 10.373, 136.113

Tritanomaly
39, 18.703, 189.507

Monochromacy



Original Color
39, 28.413, 160.656

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 11.166, 164.097

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 28.413, 160.656 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, 103, 76)` looks like.

```
.text, #text, p{  
    color:rgb(42, 103, 76)  
}
```

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, 103, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 103, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 28.413, 160.656 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, 103, 76) }
```

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

```
.border{ border-color:rgb(42, 103, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 103, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 103, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 103, 76);  
box-shadow:4px 4px 4px 4px rgb(42, 103,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 28.413, 160.656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 103, 76) }
```

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

```
.background{ background-color: rgb(42, 103,  
76) }
```

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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