

Converting Colors

CIELCh(28, 40.772, 117.567)

Have a look what the booklet for
CIELCh(28, 40.772, 117.567)
contains.

CIELCh(28, 40.899, 117.906)	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(28, 40.899, 117.906)

Conversions

Conversions Part 1

Format	Color
Hex	344900
RGB	52, 73, 0
RGB Percent	20%, 29%, 0%
CMY	0.7970, 0.7146, 1.0000
CMYK	0.29, 0.00, 1.00, 0.71
HSL	77°, 100%, 14%
HSV	77°, 100%, 29%
XYZ	3.7697, 5.4574, 0.8482
YIQ	58.3990, 10.9170, -27.1550

Conversions

Conversions Part 2

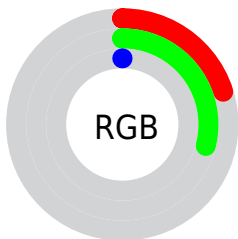
Format	Color
RYB	0, 73, 21
Decimal	3426560
CIELab	28.00, -19.14, 36.14
CIELCh	28, 40.899, 117.906
Yxy	5.4574, 0.3742, 0.5417
Android (android.graphics.Color)	4281616640 (0xFF344900)
YUV	58.3990, -28.7907, -5.6119
Hunter-Lab	23.3610, -12.0779, 14.1999

Details

The CIELCh color **28, 40.899, 117.906** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **6, 50.966, 308.533**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 41.054, 117.773**, and **8, 21.034, 144.425** is the 20% darker color. If you saturate the color by 10%, you get **28, 40.814, 117.951**, and if you desaturate by 10%, it is **28, 37.786, 117.997**.

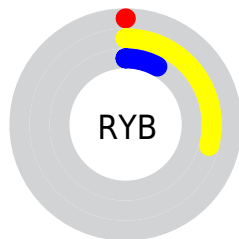
Distribution



Red (20%)

Green (29%)

Blue (0%)



Red (0%)

Yellow (29%)

Blue (8%)

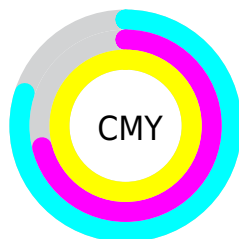


Cyan (29%)

Magenta (0%)

Yellow (100%)

Black (71%)



Cyan (80%)


Magenta (71%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 40.899, 117.906 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 28, 40.899, 117.906 by changing the saturation by 10% instead.

 28, 40.899,
117.906


 28, 40.899,
117.906

 100, 40.899,
117.906

 18, 40.899,
117.906


 48, 40.899,
117.906


 8, 40.899, 117.906

 58, 40.899,
117.906

 0, 40.899, 117.906

 68, 40.899,
117.906

 78, 40.899,
117.906

 88, 40.899,
117.906

 98, 40.899,

117.906

■ 28, 40.899,
117.906

■ 28, 40.899,
117.906

■ 28, 40.814,
117.951

■ 28, 37.786,
117.997

■ 28, 34.863,
117.914

■ 29, 31.384,
118.045

■ 29, 27.443,
118.353

■ 29, 23.185,
118.777

■ 29, 18.719,
119.268

■ 30, 14.121,
119.793

■ 30, 9.444, 120.330

■ 31, 4.727, 120.863

Harmonies

Complementary

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



28, 40.899, 117.906



6, 50.966, 308.533

Rectangle

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



28, 40.899, 117.906



28, 40.899, 167.906



28, 40.899, 297.906



28, 40.899, 347.906

Sweetspot

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



28, 40.814, 117.951



39, 17.504, 119.732



15, 33.050, 44.067



19, 12.030, 119.618



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



28, 40.814, 117.951



36, 48.956, 118.416



26, 46.635, 133.396



14, 2.592, 120.939



38, 50.817, 118.507



83, 93.383, 119.515

Inverse Universe

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



6, 50.966, 308.533



9, 62.370, 308.791



12, 47.609, 320.865



13, 2.634, 301.829



10, 64.760, 308.727



31, 119.320, 308.067

Previews

White Background



This preview shows how the CIELCh color 28, 40.899, 117.906 looks on a white background.

Color Contrast Check

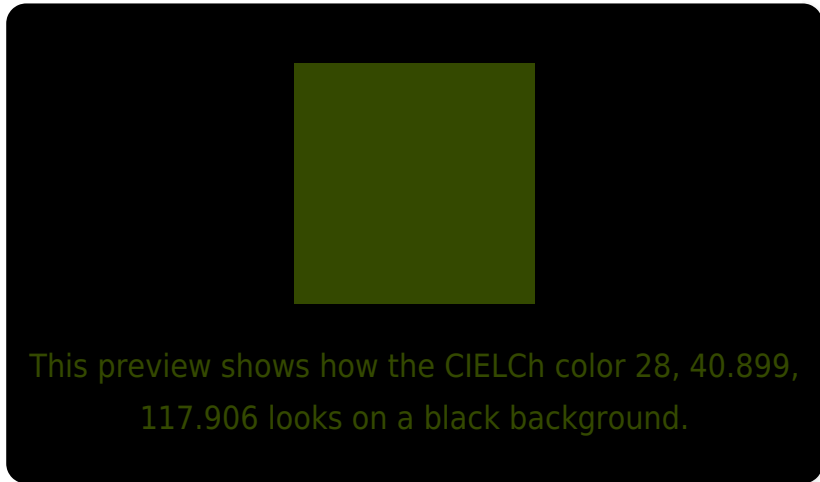
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

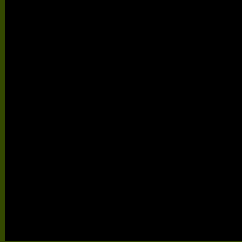
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 40.899, 117.906

Background



This preview shows how black text looks on a background with the CIELCh color 28, 40.899, 117.906.



This preview shows how white text looks on a background with the CIELCh color 28, 40.899, 117.906.

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](#).

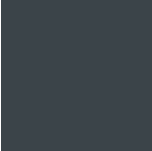
Dichromacy



Original Color
28, 40.899, 117.906

Protanopia
28, 36.903, 95.357

Deuteranopia
28, 31.659, 84.176



Tritanopia
28, 4.891, 240.518

Trichromacy



Original Color
28, 40.899, 117.906

Protanomaly
28, 37.330, 103.721

Deuteranomaly
28, 33.440, 98.992

Tritanomaly
28, 16.686, 130.537

Monochromacy



Original Color
28, 40.899, 117.906

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 17.065, 118.452

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 40.899, 117.906 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(52, 73, 0)` looks like.

```
.text, #text, p{  
    color:rgb(52, 73, 0)  
}
```

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(52, 73, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 73, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 40.899, 117.906 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(52, 73, 0) }
```

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

```
.border{ border-color:rgb(52, 73, 0) }
```

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

Here you see how a box with a 4 pixel rgb(52, 73, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 73, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(52, 73, 0); box-shadow:4px  
4px 4px 4px rgb(52, 73, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 40.899, 117.906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 73, 0) }
```

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

```
.background{ background-color: rgb(52, 73,  
0) }
```

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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