

Converting Colors

CIELCh(28, 51.228, 106.262)

Have a look what the booklet for
CIELCh(28, 51.228, 106.262)
contains.

CIELCh(28, 38.843, 109.824)	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, 38.843, 109.824)

Conversions

Conversions Part 1

Format	Color
Hex	3E4700
RGB	62, 71, 0
RGB Percent	24%, 28%, 0%
CMY	0.7587, 0.7233, 1.0000
CMYK	0.13, 0.00, 1.00, 0.72
HSL	68°, 100%, 14%
HSV	68°, 100%, 28%
XYZ	4.1796, 5.4574, 0.8204
YIQ	60.2150, 17.4270, -23.9890

Conversions

Conversions Part 2

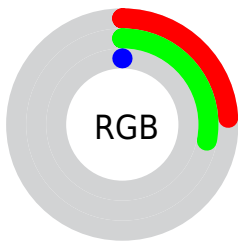
Format	Color
R_{YB}	0, 71, 9
Decimal	4081408
CIE _{Lab}	28.00, -13.17, 36.54
CIE _{LCh}	28, 38.843, 109.824
Yxy	5.4574, 0.3997, 0.5219
Android (android.graphics.Color)	4282271488 (0xFF3E4700)
YUV	60.2150, -29.6860, 1.5654
Hunter-Lab	23.3610, -8.9460, 14.2705

Details

The CIELCh color **28, 38.843, 109.824** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **5, 49.543, 305.620**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 38.677, 109.840**, and **8, 17.124, 135.196** is the 20% darker color. If you saturate the color by 10%, you get **28, 38.669, 109.883**, and if you desaturate by 10%, it is **28, 35.838, 110.136**.

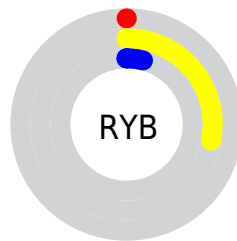
Distribution



Red (24%)

Green (28%)

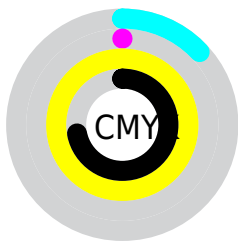
Blue (0%)



Red (0%)

Yellow (28%)

Blue (4%)

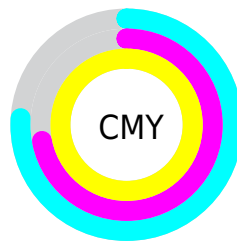


Cyan (13%)

Magenta (0%)

Yellow (100%)

Black (72%)



Cyan (76%)


Magenta (72%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 38.843, 109.824 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, 38.843, 109.824 by changing the saturation by 10% instead.

 28, 38.843,
109.824

 28, 38.843,
109.824

 100, 38.843,
109.824

 18, 38.843,
109.824


 48, 38.843,
109.824

 8, 38.843, 109.824

 58, 38.843,
109.824

 0, 38.843, 109.824

 68, 38.843,
109.824

 78, 38.843,
109.824

 88, 38.843,
109.824

 98, 38.843,

109.824

■ 28, 38.843,
109.824

■ 28, 38.843,
109.824

■ 28, 38.669,
109.883

■ 28, 35.838,
110.136

■ 28, 33.114,
110.337

■ 28, 29.856,
110.696

■ 29, 26.140,
111.195

■ 29, 22.108,
111.788

■ 29, 17.866,
112.439

■ 29, 13.490,
113.123

■ 29, 9.031, 113.819

■ 30, 4.524, 114.512

Harmonies

Complementary

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



28, 38.843, 109.824



5, 49.543, 305.620

Rectangle

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



28, 38.843, 109.824



28, 38.843, 159.824



28, 38.843, 289.824



28, 38.843, 339.824

Sweetspot

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



28, 38.669, 109.883



38, 16.772, 113.040



13, 34.481, 34.659



18, 11.263, 112.912



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



28, 38.669, 109.883



37, 46.399, 110.107



26, 43.784, 129.892



14, 2.546, 114.608



40, 49.073, 110.179



85, 89.771, 110.707

Inverse Universe

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



5, 49.543, 305.620



8, 62.567, 307.132



9, 47.851, 316.011



12, 2.593, 295.813



9, 66.247, 307.080



29, 121.730, 306.694

Previews

White Background



This preview shows how the CIELCh color 28, 38.843, 109.824 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



This preview shows how the CIELCh color 28, 38.843, 109.824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

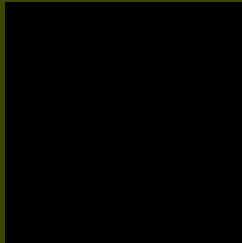
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 38.843, 109.824

Background



This preview shows how black text looks on a background with the CIELCh color 28, 38.843, 109.824.



This preview shows how white text looks on a background with the CIELCh color 28, 38.843, 109.824.

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, 38.843, 109.824

Protanopia

28, 36.903, 95.357

Deuteranopia

28, 32.701, 83.617



Tritanopia
28, 3.273, 298.428

Trichromacy



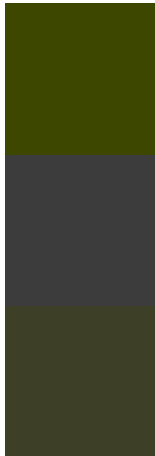
Original Color
28, 38.843, 109.824

Protanomaly
28, 37.351, 101.260

Deuteranomaly
28, 33.771, 94.367

Tritanomaly
28, 14.721, 112.985

Monochromacy



Original Color
28, 38.843, 109.824

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 16.712, 111.896

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 38.843, 109.824 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(62, 71, 0)` looks like.

```
.text, #text, p{  
    color:rgb(62, 71, 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(62, 71, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 71, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 38.843, 109.824 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(62, 71, 0) }
```

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

```
.border{ border-color:rgb(62, 71, 0) }
```

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

Here you see how a box with a 4 pixel rgb(62, 71, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 71, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(62, 71, 0); box-shadow:4px  
4px 4px 4px rgb(62, 71, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 38.843, 109.824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 71, 0) }
```

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

```
.background{ background-color: rgb(62, 71,  
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](#).

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