

Converting Colors

CIELCh(28, 38.595, 107.234)

Have a look what the booklet for
CIELCh(28, 38.595, 107.234)
contains.

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Color

CIELCh(28, 38.272, 107.614)

Conversions

Conversions Part 1

Format	Color
Hex	404600
RGB	64, 70, 0
RGB Percent	25%, 27%, 0%
CMY	0.7493, 0.7258, 1.0000
CMYK	0.09, 0.00, 1.00, 0.73
HSL	65°, 100%, 14%
HSV	65°, 100%, 27%
XYZ	4.2937, 5.4574, 0.8248
YIQ	60.2260, 18.8940, -23.0420

Conversions

Conversions Part 2

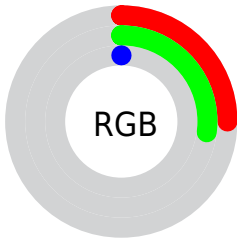
Format	Color
RYB	0, 70, 6
Decimal	4212224
CIELab	28.00, -11.58, 36.48
CIELCh	28, 38.272, 107.614
Yxy	5.4574, 0.4060, 0.5160
Android (android.graphics.Color)	4282402304 (0xFF404600)
YUV	60.2260, -29.6914, 3.3098
Hunter-Lab	23.3610, -8.0741, 14.2593

Details

The CIELCh color **28, 38.272, 107.614** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **4, 49.062, 304.891**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 38.110, 107.848**, and **8, 15.822, 132.462** is the 20% darker color. If you saturate the color by 10%, you get **28, 38.242, 107.624**, and if you desaturate by 10%, it is **28, 35.446, 107.950**.

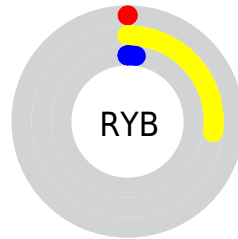
Distribution



Red (25%)

Green (27%)

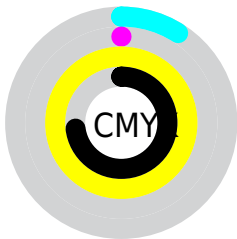
Blue (0%)



Red (0%)

Yellow (27%)

Blue (2%)

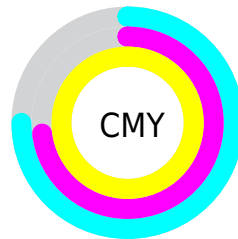


Cyan (9%)

Magenta (0%)

Yellow (100%)

Black (73%)



Cyan (75%)

Magenta (73%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 38.272, 107.614 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, 38.272, 107.614 by changing the saturation by 10% instead.

 28, 38.272,
107.614

 28, 38.272,
107.614

 100, 38.272,
107.614

 18, 38.272,
107.614

 48, 38.272,
107.614

 8, 38.272, 107.614

 58, 38.272,
107.614

 0, 38.272, 107.614

 68, 38.272,
107.614

 78, 38.272,
107.614

 88, 38.272,
107.614

 98, 38.272,

107.614

■ 28, 38.272,
107.614

■ 28, 38.272,
107.614

■ 28, 38.242,
107.624

■ 28, 35.446,
107.950

■ 28, 32.755,
108.245

■ 28, 29.538,
108.680

■ 28, 25.866,
109.242

■ 29, 21.878,
109.891

■ 29, 17.682,
110.594

■ 29, 13.352,
111.328

■ 29, 8.939, 112.074

■ 29, 4.479, 112.818

Harmonies

Complementary

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



28, 38.272, 107.614



4, 49.062, 304.891

Rectangle

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



28, 38.272, 107.614



28, 38.272, 157.614



28, 38.272, 287.614



28, 38.272, 337.614

Sweetspot

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



28, 38.242, 107.624



38, 16.724, 111.236



12, 34.705, 33.038



18, 11.231, 111.098



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, 38.242, 107.624



37, 46.158, 107.771



26, 43.085, 128.988



14, 2.540, 112.920



40, 48.813, 107.821



86, 89.227, 108.185

Inverse Universe

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



4, 49.062, 304.891



7, 62.800, 306.825



8, 47.848, 315.154



12, 2.587, 294.224



9, 66.520, 306.811



29, 122.087, 306.511

Previews

White Background



This preview shows how the CIELCh color 28, 38.272, 107.614 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, 38.272, 107.614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

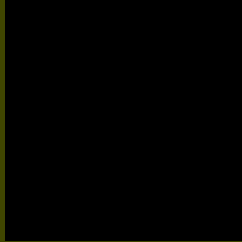
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 38.272, 107.614

Background



This preview shows how black text looks on a background with the CIELCh color 28, 38.272, 107.614.



This preview shows how white text looks on a background with the CIELCh color 28, 38.272, 107.614.

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, 38.272, 107.614

Protanopia

28, 36.903, 95.357

Deuteranopia

28, 32.701, 83.617



Tritanopia
28, 3.704, 319.063

Trichromacy



Original Color
28, 38.272, 107.614

Protanomaly
28, 37.001, 99.586

Deuteranomaly
28, 33.875, 93.470

Tritanomaly
28, 14.046, 107.381

Monochromacy



Original Color
28, 38.272, 107.614

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, 38.272, 107.614 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(64, 70, 0)` looks like.

```
.text, #text, p{  
    color:rgb(64, 70, 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(64, 70, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 70, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 38.272, 107.614 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(64, 70, 0) }
```

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

```
.border{ border-color:rgb(64, 70, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 70, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 70, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(64, 70, 0); box-shadow:4px  
4px 4px 4px rgb(64, 70, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 38.272, 107.614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 70, 0) }
```

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

```
.background{ background-color: rgb(64, 70,  
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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