

Converting Colors

CIELCh(28, 37.996, 103.881)

Have a look what the booklet for
CIELCh(28, 37.996, 103.881)
contains.

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Color

CIELCh(28, 37.735, 103.695)

Conversions

Conversions Part 1

Format	Color
Hex	444500
RGB	68, 69, 0
RGB Percent	27%, 27%, 0%
CMY	0.7340, 0.7301, 1.0000
CMYK	0.01, 0.00, 1.00, 0.73
HSL	61°, 100%, 13%
HSV	61°, 100%, 27%
XYZ	4.4880, 5.4574, 0.8120
YIQ	60.8350, 21.5530, -21.6710

Conversions

Conversions Part 2

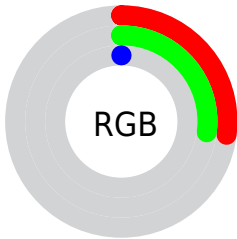
Format	Color
RYB	0, 69, 1
Decimal	4474112
CIELab	28.00, -8.93, 36.66
CIELCh	28, 37.735, 103.695
Yxy	5.4574, 0.4172, 0.5073
Android (android.graphics.Color)	4282664192 (0xFF444500)
YUV	60.8350, -29.9917, 6.2837
Hunter-Lab	23.3610, -6.5890, 14.2920

Details

The CIELCh color **28, 37.735, 103.695** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **4, 48.170, 303.515**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 37.611, 103.628**, and **8, 15.151, 125.671** is the 20% darker color. If you saturate the color by 10%, you get **28, 37.667, 103.709**, and if you desaturate by 10%, it is **28, 34.910, 104.168**.

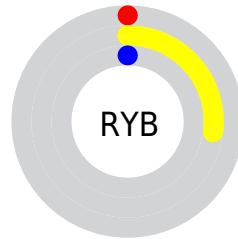
Distribution



Red (27%)

Green (27%)

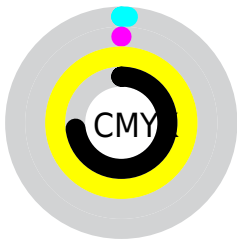
Blue (0%)



Red (0%)

Yellow (27%)

Blue (0%)

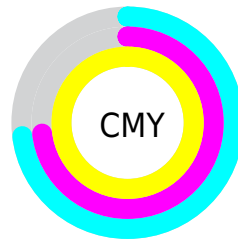


Cyan (1%)

Magenta (0%)

Yellow (100%)

Black (73%)



Cyan (73%)


Magenta (73%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 37.735, 103.695 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, 37.735, 103.695 by changing the saturation by 10% instead.

 28, 37.735,
103.695


 28, 37.735,
103.695

 100, 37.735,
103.695


 18, 37.735,
103.695


 48, 37.735,
103.695


 8, 37.735, 103.695

 58, 37.735,
103.695

 0, 37.735, 103.695

 68, 37.735,
103.695

 78, 37.735,
103.695

 88, 37.735,
103.695

 98, 37.735,

103.695

■ 28, 37.735,
103.695

■ 28, 37.735,
103.695

■ 28, 37.667,
103.709

■ 28, 34.910,
104.168

■ 28, 32.253,
104.631

■ 28, 29.087,
105.204

■ 28, 25.471,
105.880

■ 28, 21.543,
106.629

■ 28, 17.411,
107.426

■ 29, 13.146,
108.251

■ 29, 8.801, 109.088

■ 29, 4.410, 109.923

Harmonies

Complementary

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



28, 37.735, 103.695



4, 48.170, 303.515

Rectangle

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



28, 37.735, 103.695



28, 37.735, 153.695



28, 37.735, 283.695



28, 37.735, 333.695

Sweetspot

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



28, 37.667, 103.709



37, 16.301, 108.150



11, 35.701, 28.997



18, 11.203, 107.985



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, 37.667, 103.709



36, 45.063, 103.700



26, 41.551, 126.416



13, 2.377, 110.050



40, 47.714, 103.709



86, 88.007, 103.775

Inverse Universe

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



4, 48.170, 303.515



7, 61.767, 306.191



7, 47.898, 313.067



11, 2.421, 291.503



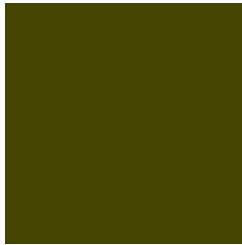
8, 65.769, 306.378



28, 121.426, 306.321

Previews

White Background



This preview shows how the CIELCh color 28, 37.735, 103.695 looks on a white background.

Color Contrast Check

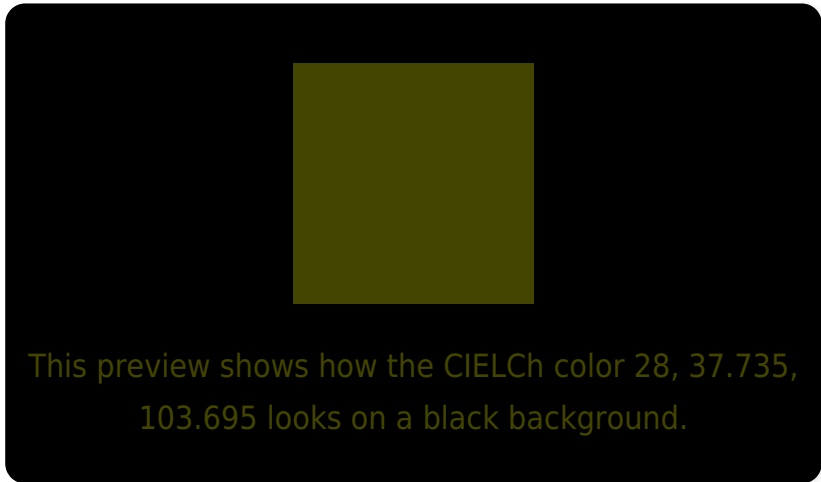
Large Text (above 18pt) WCAG AA ✓ Pass

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

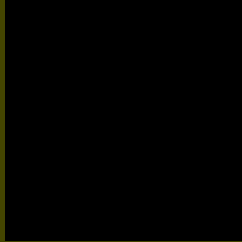
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 37.735, 103.695

Background



This preview shows how black text looks on a background with the CIELCh color 28, 37.735, 103.695.



This preview shows how white text looks on a background with the CIELCh color 28, 37.735, 103.695.

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, 37.735, 103.695

Protanopia

28, 36.903, 95.357

Deuteranopia

28, 33.094, 83.766



Tritanopia
28, 4.825, 338.181

Trichromacy



Original Color
28, 37.735, 103.695

Protanomaly
28, 37.045, 98.754

Deuteranomaly
28, 34.092, 91.591

Tritanomaly
28, 14.220, 99.339

Monochromacy



Original Color
28, 37.735, 103.695

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 16.026, 108.670

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 37.735, 103.695 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(68, 69, 0)` looks like.

```
.text, #text, p{  
    color:rgb(68, 69, 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(68, 69, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 69, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 37.735, 103.695 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(68, 69, 0) }
```

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

```
.border{ border-color:rgb(68, 69, 0) }
```

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

Here you see how a box with a 4 pixel rgb(68, 69, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 69, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(68, 69, 0); box-shadow:4px  
4px 4px 4px rgb(68, 69, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 37.735, 103.695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 69, 0) }
```

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

```
.background{ background-color: rgb(68, 69,  
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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