

Converting Colors

CIELCh(13, 37.879, 31.012)

Have a look what the booklet for
CIELCh(13, 37.879, 31.012) contains.

CIELCh(13, 37.697, 30.868)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(13, 37.697, 30.868)

Conversions

Conversions Part 1	
Format	Color
Hex	4B0202
RGB	75, 2, 2
RGB Percent	29%, 1%, 1%
CMY	0.7047, 0.9910, 0.9905
CMYK	0.00, 0.97, 0.97, 0.70
HSL	360°, 94%, 15%
HSV	360°, 97%, 30%
XYZ	2.9627, 1.5625, 0.2148
YIQ	23.8270, 43.5080, 15.4760

Conversions

Conversions Part 2

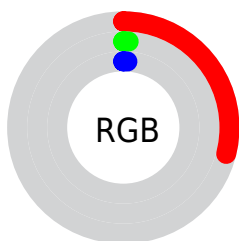
Format	Color
RYB	75, 2, 2
Decimal	4915714
CIELab	13.00, 32.36, 19.34
CIELCh	13, 37.697, 30.868
Yxy	1.5625, 0.6250, 0.3296
Android (android.graphics.Color)	4283105794 (0xFF4B0202)
YUV	23.8270, -10.7607, 44.8787
Hunter-Lab	12.5000, 20.4325, 7.7310

Details

The CIELCh color **13, 37.697, 30.868** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **28, 20.502, 196.172**, and the grayscale version is **8, 0.002, 296.813**.

A 20% lighter version of the original color is **33, 37.636, 30.193**, and **0, 1.109, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **13, 38.631, 30.853**, and if you desaturate by 10%, it is **14, 34.727, 30.644**.

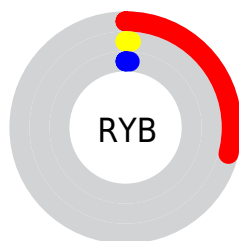
Distribution



Red (29%)

Green (1%)

Blue (1%)



Red (29%)

Yellow (1%)

Blue (1%)

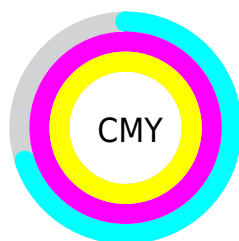


Cyan (0%)

Magenta (97%)

Yellow (97%)

Black (70%)



Cyan (70%)

Magenta (99%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 37.697, 30.868 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 13, 37.697, 30.868 by changing the saturation by 10% instead.

 13, 37.697, 30.868

 13, 37.697, 30.868

 100, 37.697,
30.868

 3, 37.697, 30.868

 33, 37.697, 30.868

 0, 37.697, 30.868

 43, 37.697, 30.868

 53, 37.697, 30.868

 63, 37.697, 30.868

 73, 37.697, 30.868

 83, 37.697, 30.868

 93, 37.697, 30.868

■ 13, 37.697, 30.868

■ 13, 37.697, 30.868

■ 13, 38.631, 30.853

■ 14, 34.727, 30.644

■ 15, 31.321, 29.709

■ 17, 26.977, 27.430

■ 19, 22.469, 25.262

■ 21, 18.037, 23.539

■ 23, 13.767, 22.183

■ 25, 9.713, 21.113

■ 28, 5.902, 20.258

■ 30, 2.339, 19.523

Harmonies

Complementary

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



13, 37.697, 30.868



28, 20.502, 196.172

Rectangle

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



13, 37.697, 30.868



13, 37.697, 80.868



13, 37.697, 210.868



13, 37.697, 260.868

Sweetspot

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



13, 37.696, 30.871



32, 13.007, 21.417



16, 46.991, 327.581



14, 8.868, 21.641



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



13, 37.696, 30.871



18, 48.258, 35.189



20, 31.372, 61.311



14, 1.910, 19.650



19, 50.463, 35.889



48, 96.489, 39.942

Inverse Universe

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



13, 37.696, 30.871



18, 48.258, 35.189



16, 25.572, 276.405



14, 1.910, 19.650



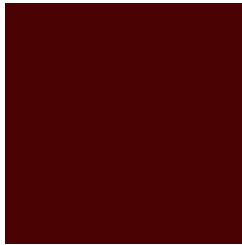
19, 50.463, 35.889



48, 96.489, 39.942

Previews

White Background



This preview shows how the CIE LCh color 13, 37.697, 30.868 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 13, 37.697, 30.868 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 13, 37.697, 30.868

Background



This preview shows how black text looks on a background with the CIELCh color 13, 37.697, 30.868.

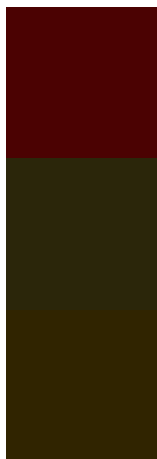


This preview shows how white text looks on a background with the CIELCh color 13, 37.697, 30.868.

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

13, 37.697, 30.868

Protanopia

15, 18.003, 96.521

Deuteranopia

15, 21.904, 86.587

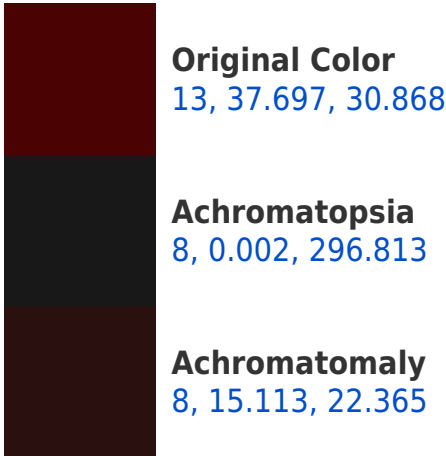


Tritanopia
14, 36.938, 34.653

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 37.697, 30.868 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(75, 2, 2)` looks like.

```
.text, #text, p{  
    color:rgb(75, 2, 2)  
}
```

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(75, 2, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 2, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 37.697, 30.868 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(75, 2, 2) }
```

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

```
.border{ border-color:rgb(75, 2, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 2, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 2, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(75, 2, 2); box-shadow:4px  
4px 4px 4px rgb(75, 2, 2) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 37.697, 30.868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 2, 2) }
```

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

```
.background{ background-color: rgb(75, 2,  
2) }
```

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