

Converting Colors

CIELCh(13, 27.833, 13.334)

Have a look what the booklet for
CIELCh(13, 27.833, 13.334) contains.

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Color

CIELCh(13, 27.842, 13.575)

Conversions

Conversions Part 1

Format	Color
Hex	440D1A
RGB	68, 13, 26
RGB Percent	27%, 5%, 10%
CMY	0.7351, 0.9508, 0.8994
CMYK	0.00, 0.81, 0.62, 0.74
HSL	346°, 69%, 16%
HSV	346°, 81%, 26%
XYZ	2.6737, 1.5625, 1.1176
YIQ	30.9270, 28.6070, 15.7030

Conversions

Conversions Part 2

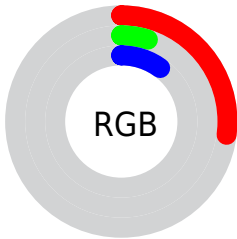
Format	Color
RYB	68, 13, 26
Decimal	4459802
CIELab	13.00, 27.06, 6.54
CIElCh	13, 27.842, 13.575
Yxy	1.5625, 0.4994, 0.2918
Android (android.graphics.Color)	4282649882 (0xFF440D1A)
YUV	30.9270, -2.4290, 32.5130
Hunter-Lab	12.5000, 16.3051, 3.4490

Details

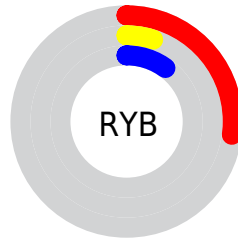
The CIELCh color **13, 27.842, 13.575** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **25, 21.351, 172.094**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 27.900, 13.520**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 30.649, 16.662**, and if you desaturate by 10%, it is **14, 24.778, 10.656**.

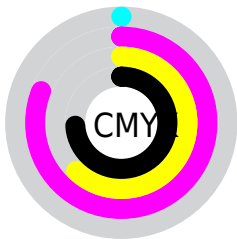
Distribution



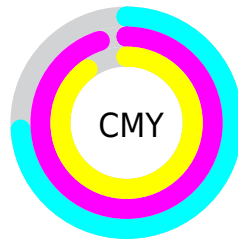
- Red (27%)
- Green (5%)
- Blue (10%)



- Red (27%)
- Yellow (5%)
- Blue (10%)



- Cyan (0%)
- Magenta (81%)
- Yellow (62%)
- Black (74%)



- Cyan (74%)
- Magenta (95%)
- Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 27.842, 13.575 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, 27.842, 13.575 by changing the saturation by 10% instead.

 13, 27.842, 13.575

 13, 27.842, 13.575

 100, 27.842,
13.575

 3, 27.842, 13.575

 33, 27.842, 13.575

 0, 27.842, 13.575

 43, 27.842, 13.575

 53, 27.842, 13.575

 63, 27.842, 13.575

 73, 27.842, 13.575

 83, 27.842, 13.575

 93, 27.842, 13.575

■ 13, 27.842, 13.575

■ 13, 27.842, 13.575

■ 12, 30.649, 16.662

■ 14, 24.778, 10.656

■ 11, 33.178, 17.850

■ 16, 21.415, 8.287

■ 18, 17.870, 6.356

■ 20, 14.253, 4.764

■ 22, 10.652, 3.431

■ 24, 7.130, 2.293

■ 26, 3.723, 1.292

■ 28, 0.453, 359.997

■ 31, 2.675, 179.841

Harmonies

Complementary

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



13, 27.842, 13.575



25, 21.351, 172.094

Rectangle

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



13, 27.842, 13.575



13, 27.842, 63.575



13, 27.842, 193.575



13, 27.842, 243.575

Sweetspot

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



13, 27.841, 13.577



30, 9.899, 2.677



12, 38.955, 319.798



13, 6.712, 2.847



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



13, 27.841, 13.577



16, 39.363, 20.946



15, 26.061, 43.726



12, 1.775, 1.011



18, 43.512, 22.550



47, 82.851, 27.238

Inverse Universe

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



13, 27.841, 13.577



16, 39.363, 20.946



20, 15.283, 235.645



12, 1.775, 1.011



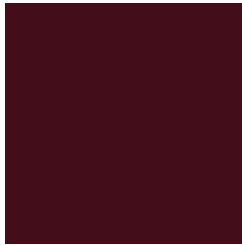
18, 43.512, 22.550



47, 82.851, 27.238

Previews

White Background



This preview shows how the CIELCh color 13, 27.842, 13.575 looks on a white background.

Color Contrast Check

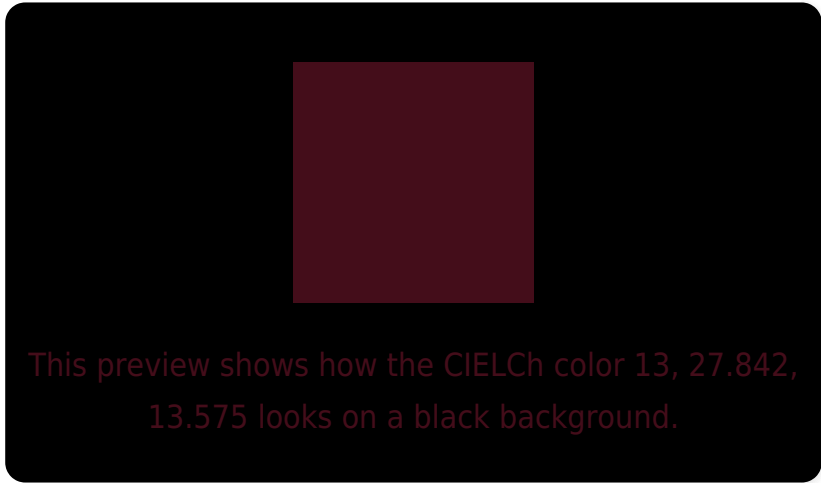
Large Text (above 18pt) WCAG AA ✓ Pass

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

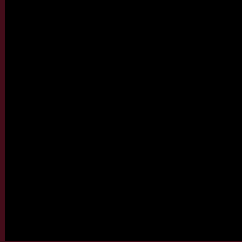
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 27.842, 13.575

Background



This preview shows how black text looks on a background with the CIELCh color 13, 27.842, 13.575.

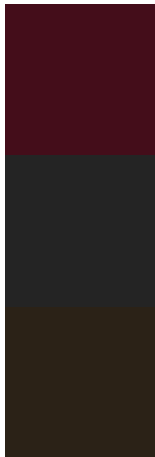


This preview shows how white text looks on a background with the CIELCh color 13, 27.842, 13.575.

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, 27.842, 13.575

Protanopia

14, 0.003, 296.813

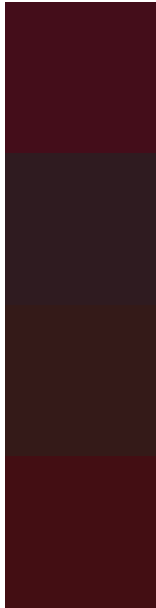
Deuteranopia

14, 9.315, 75.760



Tritanopia
13, 28.406, 28.672

Trichromacy



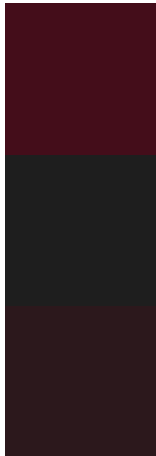
Original Color
13, 27.842, 13.575

Protanomaly
13, 10.805, 3.623

Deuteranomaly
13, 14.456, 29.097

Tritanomaly
13, 27.992, 23.530

Monochromacy



Original Color
13, 27.842, 13.575

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 10.833, 7.646

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 27.842, 13.575 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, 13, 26)` looks like.

```
.text, #text, p{  
    color:rgb(68, 13, 26)  
}
```

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, 13, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 13, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 27.842, 13.575 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, 13, 26) }
```

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

```
.border{ border-color:rgb(68, 13, 26) }
```

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

Here you see how a box with a 4 pixel rgb(68, 13, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 13, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 13, 26);  
box-shadow:4px 4px 4px 4px rgb(68, 13, 26)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 27.842, 13.575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 13, 26) }
```

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

```
.background{ background-color: rgb(68, 13,  
26) }
```

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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