

Converting Colors

CIELCh(13, 38.428, 338.607)

Have a look what the booklet for
CIELCh(13, 38.428, 338.607)
contains.

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Color

CIELCh(13, 38.427, 338.529)

Conversions

Conversions Part 1

Format	Color
Hex	460136
RGB	70, 1, 54
RGB Percent	27%, 0%, 21%
CMY	0.7271, 0.9976, 0.7897
CMYK	0.00, 0.99, 0.23, 0.73
HSL	314°, 98%, 14%
HSV	314°, 99%, 27%
XYZ	3.1591, 1.5625, 3.5788
YIQ	27.6730, 24.1110, 31.1110

Conversions

Conversions Part 2

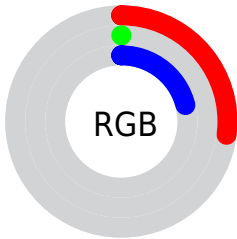
Format	Color
R_{YB}	70, 1, 54
Decimal	4587830
CIE _{Lab}	13.00, 35.76, -14.07
CIE _{LCh}	13, 38.427, 338.529
Yxy	1.5625, 0.3806, 0.1882
Android (android.graphics.Color)	4282777910 (0xFF460136)
YUV	27.6730, 12.9792, 37.1208
Hunter-Lab	12.5000, 23.2371, -8.2251

Details

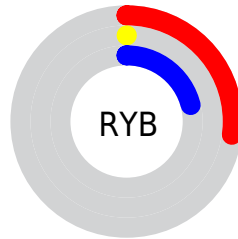
The CIELCh color **13, 38.427, 338.529** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **25, 41.030, 141.589**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 38.174, 338.397**, and **1, 4.428, 346.289** is the 20% darker color. If you saturate the color by 10%, you get **13, 38.647, 338.596**, and if you desaturate by 10%, it is **14, 36.070, 337.726**.

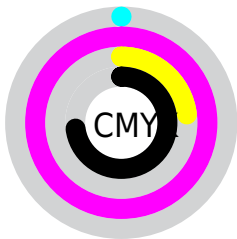
Distribution



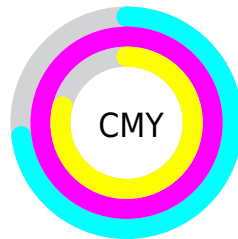
- Red (27%)
- Green (0%)
- Blue (21%)



- Red (27%)
- Yellow (0%)
- Blue (21%)



- Cyan (0%)
- Magenta (99%)
- Yellow (23%)
- Black (73%)





- Cyan (73%)
- Magenta (100%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 38.427, 338.529 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, 38.427, 338.529 by changing the saturation by 10% instead.

 13, 38.427,
338.529


 13, 38.427,
338.529


 100, 38.427,
338.529


 3, 38.427, 338.529


 33, 38.427,
338.529

 0, 38.427, 338.529

 43, 38.427,
338.529


 53, 38.427,
338.529


 63, 38.427,
338.529


 73, 38.427,
338.529


 83, 38.427,

338.529


 93, 38.427,
338.529


 13, 38.427,
338.529


 13, 38.427,
338.529

 13, 38.647,
338.596

 14, 36.070,
337.726

 15, 33.742,
336.868

 16, 30.686,
336.077

 18, 26.987,
335.342

 19, 22.819,
334.648

■ 21, 18.344,
333.985

■ 23, 13.694,
333.348

■ 25, 8.974, 332.733

■ 28, 4.258, 332.129

Harmonies

Complementary

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



13, 38.427, 338.529



25, 41.030, 141.589

Rectangle

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



13, 38.427, 338.529



13, 38.427, 28.529



13, 38.427, 158.529



13, 38.427, 208.529

Sweetspot

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



13, 38.426, 338.529



30, 17.346, 333.476



5, 48.531, 306.838



13, 11.932, 333.601



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



13, 38.426, 338.529



18, 45.498, 339.091



12, 33.312, 15.192



13, 2.657, 332.099



21, 48.950, 339.282



51, 88.371, 340.328

Inverse Universe

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



13, 38.426, 338.529



18, 45.498, 339.091



25, 25.988, 165.858



13, 2.657, 332.099



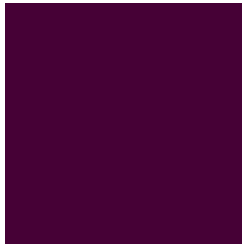
21, 48.950, 339.282



51, 88.371, 340.328

Previews

White Background



This preview shows how the CIE LCh color 13, 38.427, 338.529 looks on a white background.

Color Contrast Check

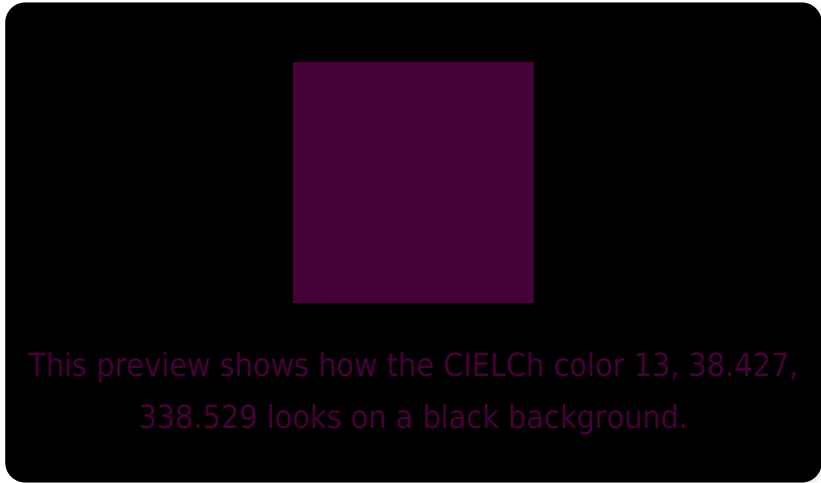
Large Text (above 18pt) WCAG AA ✓ Pass

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, 38.427, 338.529

Background



This preview shows how black text looks on a background with the CIELCh color 13, 38.427, 338.529.



This preview shows how white text looks on a background with the CIELCh color 13, 38.427, 338.529.

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, 38.427, 338.529

Protanopia

15, 27.764, 283.746

Deuteranopia

15, 9.211, 287.357



Tritanopia
14, 24.896, 26.149

Trichromacy



Original Color
13, 38.427, 338.529

Protanomaly
12, 31.749, 303.191

Deuteranomaly
13, 21.636, 323.448

Tritanomaly
14, 27.405, 3.895

Monochromacy



Original Color
13, 38.427, 338.529

Achromatopsia
10, 0.003, 296.813

Achromatomaly
9, 18.344, 333.686

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 38.427, 338.529 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(70, 1, 54)` looks like.

```
.text, #text, p{  
    color:rgb(70, 1, 54)  
}
```

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(70, 1, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 1, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 38.427, 338.529 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(70, 1, 54) }
```

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

```
.border{ border-color:rgb(70, 1, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 1, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 1, 54); -webkit-box-shadow:4px  
4px 4px 4px rgb(70, 1, 54); box-shadow:4px  
4px 4px 4px rgb(70, 1, 54) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 38.427, 338.529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 1, 54) }
```

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

```
.background{ background-color: rgb(70, 1,  
54) }
```

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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