

Converting Colors

CIELCh(0, 85.214, 336.385)

Have a look what the booklet for
CIELCh(0, 85.214, 336.385) contains.

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Color

CIELCh(13, 38.587, 339.896)

Conversions

Conversions Part 1

Format	Color
Hex	460035
RGB	70, 0, 53
RGB Percent	27%, 0%, 21%
CMY	0.7236, 1.0000, 0.7940
CMYK	0.00, 1.00, 0.25, 0.72
HSL	315°, 100%, 14%
HSV	315°, 100%, 28%
XYZ	3.1872, 1.5625, 3.4461
YIQ	26.9720, 24.7070, 31.3230

Conversions

Conversions Part 2

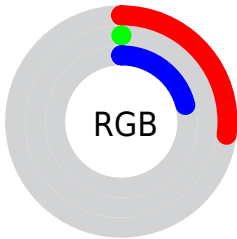
Format	Color
R_{YB}	70, 0, 53
Decimal	4587573
CIE _{Lab}	13.00, 36.24, -13.26
CIE _{LCh}	13, 38.587, 339.896
Yxy	1.5625, 0.3889, 0.1906
Android (android.graphics.Color)	4282777653 (0xFF460035)
YUV	26.9720, 12.8318, 37.7356
Hunter-Lab	12.5000, 23.6387, -7.5955

Details

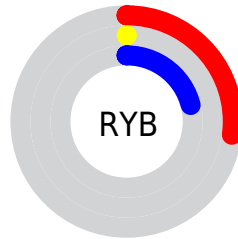
The CIELCh color **13, 38.587, 339.896** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **25, 41.049, 142.136**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 38.410, 338.968**, and **1, 4.035, 355.841** is the 20% darker color. If you saturate the color by 10%, you get **13, 38.379, 339.938**, and if you desaturate by 10%, it is **14, 36.048, 339.051**.

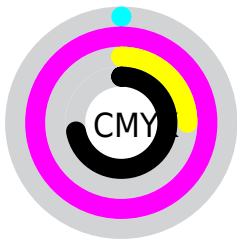
Distribution



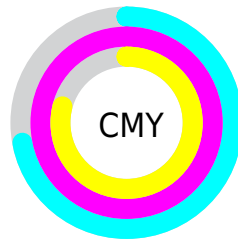
- Red (27%)
- Green (0%)
- Blue (21%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (25%)
- Black (72%)





- Cyan (72%)
- Magenta (100%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 38.587, 339.896 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, 38.587, 339.896 by changing the saturation by 10% instead.

 13, 38.587,
339.896


 13, 38.587,
339.896

 100, 38.587,
339.896


 3, 38.587, 339.896


 33, 38.587,
339.896

 0, 38.587, 339.896

 43, 38.587,
339.896


 53, 38.587,
339.896


 63, 38.587,
339.896


 73, 38.587,
339.896


 83, 38.587,


339.896


 93, 38.587,
339.896


 13, 38.587,
339.896

 13, 38.587,
339.896


 13, 38.379,
339.938

 14, 36.048,
339.051

 15, 33.796,
338.094

 16, 30.828,
337.221

 18, 27.199,
336.424

 20, 23.085,
335.683

■ 21, 18.650,
334.983

■ 23, 14.032,
334.317

■ 26, 9.338, 333.679

■ 28, 4.644, 333.058

Harmonies

Complementary

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



13, 38.587, 339.896



25, 41.049, 142.136

Rectangle

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



13, 38.587, 339.896



13, 38.587, 29.896



13, 38.587, 159.896



13, 38.587, 209.896

Sweetspot

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



13, 38.379, 339.938



31, 17.471, 334.395



5, 49.497, 307.589



13, 11.742, 334.518



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, 38.379, 339.938



19, 45.648, 340.534



12, 34.156, 17.861



13, 2.613, 332.970



21, 48.186, 340.695



51, 86.922, 341.898

Inverse Universe

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



13, 38.379, 339.938



19, 45.648, 340.534



26, 25.396, 168.453



13, 2.613, 332.970



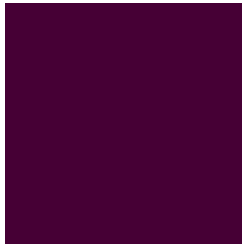
21, 48.186, 340.695



51, 86.922, 341.898

Previews

White Background



This preview shows how the CIELCh color 13, 38.587, 339.896 looks on a white background.

Color Contrast Check

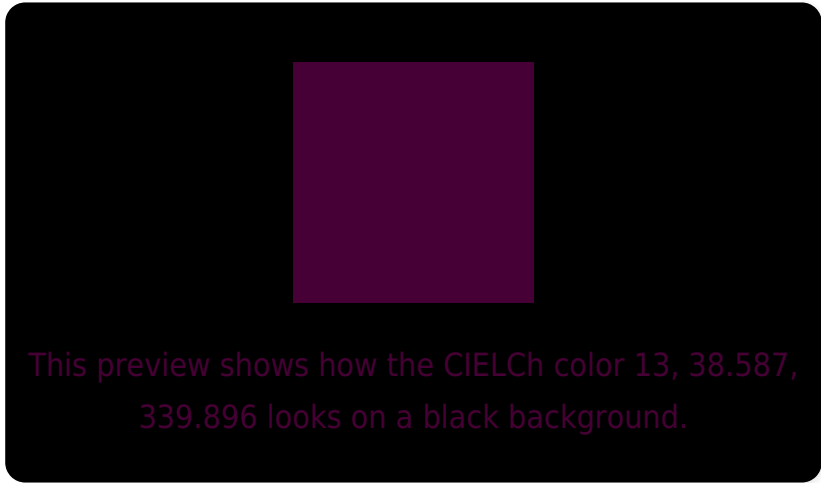
Large Text (above 18pt) WCAG AA ✓ Pass

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

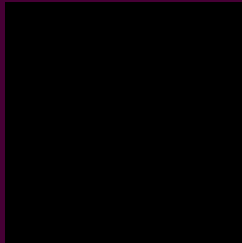
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 38.587, 339.896

Background



This preview shows how black text looks on a background with the CIELCh color 13, 38.587, 339.896.



This preview shows how white text looks on a background with the CIELCh color 13, 38.587, 339.896.

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, 38.504, 339.252

Protanopia

15, 26.991, 284.492

Deuteranopia

15, 8.487, 289.555



Tritanopia
15, 25.404, 26.337

Trichromacy



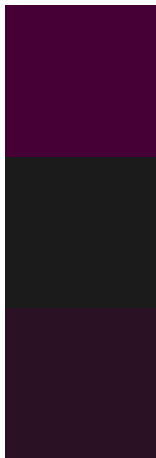
Original Color
13, 38.504, 339.252

Protanomaly
12, 31.068, 305.026

Deuteranomaly
13, 21.233, 325.593

Tritanomaly
14, 28.195, 4.018

Monochromacy



Original Color
13, 38.504, 339.252

Achromatopsia
10, 0.003, 296.813

Achromatomaly
9, 18.114, 336.664

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 38.587, 339.896 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, 0, 53)` looks like.

```
.text, #text, p{  
    color:rgb(70, 0, 53)  
}
```

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, 0, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 0, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 38.587, 339.896 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, 0, 53) }
```

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

```
.border{ border-color:rgb(70, 0, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 0, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 0, 53); -webkit-box-shadow:4px  
4px 4px 4px rgb(70, 0, 53); box-shadow:4px  
4px 4px 4px rgb(70, 0, 53) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 38.587, 339.896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 0, 53) }
```

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

```
.background{ background-color: rgb(70, 0,  
53) }
```

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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