

Converting Colors

CIELCh(13, 40.113, 333.983)

Have a look what the booklet for
CIELCh(13, 40.113, 333.983)
contains.

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Color

CIELCh(13, 39.870, 334.278)

Conversions

Conversions Part 1

Format	Color
Hex	44013A
RGB	68, 1, 58
RGB Percent	27%, 0%, 23%
CMY	0.7330, 0.9957, 0.7722
CMYK	0.00, 0.98, 0.15, 0.73
HSL	309°, 97%, 14%
HSV	309°, 98%, 27%
XYZ	3.1685, 1.5625, 4.1494
YIQ	27.5310, 21.6350, 31.9310

Conversions

Conversions Part 2

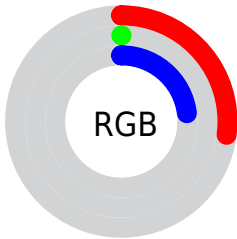
Format	Color
RYB	68, 1, 58
Decimal	4456762
CIELab	13.00, 35.92, -17.30
CIElCh	13, 39.870, 334.278
Yxy	1.5625, 0.3568, 0.1759
Android (android.graphics.Color)	4282646842 (0xFF44013A)
YUV	27.5310, 15.0212, 35.4913
Hunter-Lab	12.5000, 23.3711, -10.9316

Details

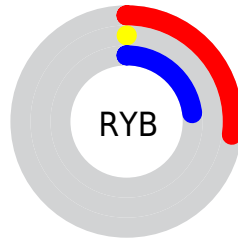
The CIELCh color **13, 39.870, 334.278** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **24, 42.187, 139.615**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 39.923, 334.570**, and **1, 5.931, 315.055** is the 20% darker color. If you saturate the color by 10%, you get **13, 40.295, 334.361**, and if you desaturate by 10%, it is **14, 37.367, 333.734**.

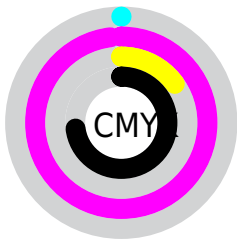
Distribution



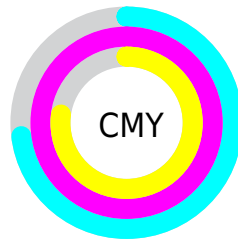
- Red (27%)
- Green (0%)
- Blue (23%)



- Red (27%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (98%)
- Yellow (15%)
- Black (73%)



- Cyan (73%)
- Magenta (100%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 39.870, 334.278 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, 39.870, 334.278 by changing the saturation by 10% instead.

■ 13, 39.870,
334.278

■ 13, 39.870,
334.278

■ 100, 39.870,
334.278

■ 3, 39.870, 334.278

■ 33, 39.870,
334.278

■ 0, 39.870, 334.278

■ 43, 39.870,
334.278


■ 53, 39.870,
334.278


■ 63, 39.870,
334.278


■ 73, 39.870,
334.278


■ 83, 39.870,


334.278


 93, 39.870,
334.278


 13, 39.870,
334.278


 13, 39.870,
334.278

 13, 40.295,
334.361

 14, 37.367,
333.734

 15, 34.849,
333.158

 16, 31.599,
332.589

 18, 27.717,
332.024

 19, 23.370,
331.460

■ 21, 18.715,
330.898

■ 23, 13.884,
330.339

■ 25, 8.980, 329.785

■ 27, 4.078, 329.230

Harmonies

Complementary

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



13, 39.870, 334.278



24, 42.187, 139.615

Rectangle

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



13, 39.870, 334.278



13, 39.870, 24.278



13, 39.870, 154.278



13, 39.870, 204.278

Sweetspot

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



13, 39.869, 334.278



30, 18.358, 330.499



5, 47.167, 305.207



14, 12.626, 330.610



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, 39.869, 334.278



19, 48.193, 334.661



11, 32.233, 7.905



12, 2.643, 329.234



21, 50.969, 334.741



51, 93.225, 335.333

Inverse Universe

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



13, 39.869, 334.278



19, 48.193, 334.661



25, 27.945, 159.976



12, 2.643, 329.234



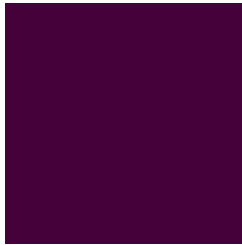
21, 50.969, 334.741



51, 93.225, 335.333

Previews

White Background



This preview shows how the CIELCh color 13, 39.870, 334.278 looks on a white background.

Color Contrast Check

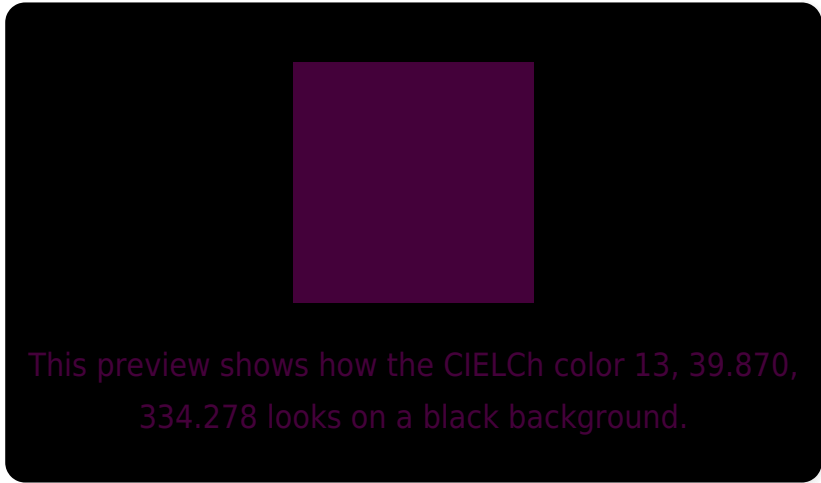
Large Text (above 18pt) WCAG AA ✓ Pass

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

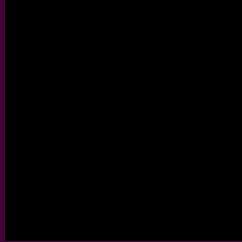
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 39.870, 334.278

Background



This preview shows how black text looks on a background with the CIELCh color 13, 39.870, 334.278.



This preview shows how white text looks on a background with the CIELCh color 13, 39.870, 334.278.

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, 39.870, 334.278

Protanopia

14, 29.424, 282.516

Deuteranopia

15, 12.173, 282.096



Tritanopia
14, 22.658, 24.982

Trichromacy



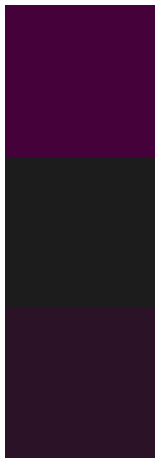
Original Color
13, 39.870, 334.278

Protanomaly
11, 33.973, 300.397

Deuteranomaly
12, 23.565, 316.026

Tritanomaly
13, 26.541, 358.635

Monochromacy



Original Color
13, 39.870, 334.278

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 18.808, 332.101

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 39.870, 334.278 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, 1, 58)` looks like.

```
.text, #text, p{  
    color:rgb(68, 1, 58)  
}
```

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, 1, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 1, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 39.870, 334.278 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, 1, 58) }
```

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

```
.border{ border-color:rgb(68, 1, 58) }
```

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

Here you see how a box with a 4 pixel rgb(68, 1, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 1, 58); -webkit-box-shadow:4px  
4px 4px 4px rgb(68, 1, 58); box-shadow:4px  
4px 4px 4px rgb(68, 1, 58) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 39.870, 334.278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 1, 58) }
```

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

```
.background{ background-color: rgb(68, 1,  
58) }
```

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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