

Converting Colors

CIELCh(10, 49.276, 336.731)

Have a look what the booklet for
CIELCh(10, 49.276, 336.731)
contains.

CIELCh(13, 39.240, 337.677)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(13, 39.240, 337.677)

Conversions

Conversions Part 1

Format	Color
Hex	460037
RGB	70, 0, 55
RGB Percent	27%, 0%, 22%
CMY	0.7264, 1.0000, 0.7851
CMYK	0.00, 1.00, 0.21, 0.73
HSL	313°, 100%, 14%
HSV	313°, 100%, 27%
XYZ	3.1910, 1.5625, 3.7213
YIQ	27.2000, 24.0650, 31.9450

Conversions

Conversions Part 2

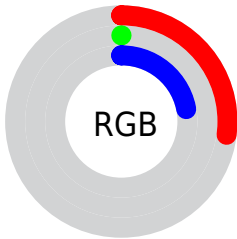
Format	Color
R_{YB}	70, 0, 55
Decimal	4587575
CIE _{Lab}	13.00, 36.30, -14.90
CIE _{LCh}	13, 39.240, 337.677
Yxy	1.5625, 0.3765, 0.1844
Android (android.graphics.Color)	4282777655 (0xFF460037)
YUV	27.2000, 13.7054, 37.5356
Hunter-Lab	12.5000, 23.6923, -8.9008

Details

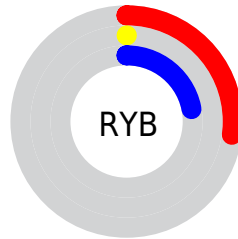
The CIELCh color **13, 39.240, 337.677** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **25, 41.811, 141.039**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 39.147, 337.579**, and **1, 4.924, 338.474** is the 20% darker color. If you saturate the color by 10%, you get **13, 39.145, 337.691**, and if you desaturate by 10%, it is **14, 36.743, 336.951**.

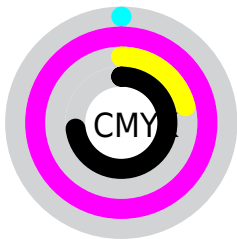
Distribution



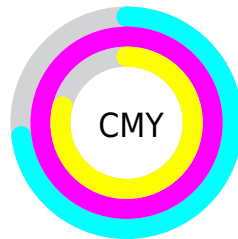
- Red (27%)
- Green (0%)
- Blue (22%)



- Red (27%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (21%)
- Black (73%)





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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 39.240, 337.677 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, 39.240, 337.677 by changing the saturation by 10% instead.

 13, 39.240,
337.677


 13, 39.240,
337.677


 100, 39.240,
337.677

 3, 39.240, 337.677


 33, 39.240,
337.677

 0, 39.240, 337.677

 43, 39.240,
337.677


 53, 39.240,
337.677


 63, 39.240,
337.677


 73, 39.240,
337.677


 83, 39.240,


337.677


 93, 39.240,
337.677


 13, 39.240,
337.677


 13, 39.240,
337.677


 13, 39.145,
337.691

 14, 36.743,
336.951

 15, 34.423,
336.153

 16, 31.393,
335.405

 18, 27.699,
334.704

 19, 23.515,
334.035

■ 21, 19.004,
333.392

■ 23, 14.304,
332.770

■ 25, 9.523, 332.166

■ 27, 4.738, 331.572

Harmonies

Complementary

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



13, 39.240, 337.677



25, 41.811, 141.039

Rectangle

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



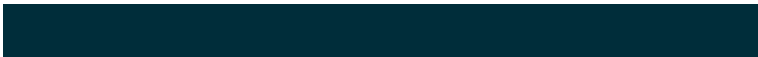
13, 39.240, 337.677



13, 39.240, 27.677



13, 39.240, 157.677



13, 39.240, 207.677

Sweetspot

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



13, 39.145, 337.691



31, 17.961, 332.847



5, 49.004, 306.607



14, 12.070, 332.961



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, 39.145, 337.691



19, 46.902, 338.177



12, 33.529, 14.117



13, 2.689, 331.490



21, 49.520, 338.303



51, 89.457, 339.242

Inverse Universe

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



13, 39.145, 337.691



19, 46.902, 338.177



25, 26.701, 164.435



13, 2.689, 331.490



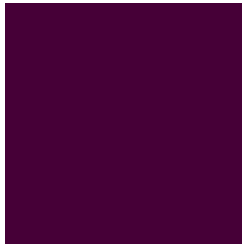
21, 49.520, 338.303



51, 89.457, 339.242

Previews

White Background



This preview shows how the CIELCh color 13, 39.240, 337.677 looks on a white background.

Color Contrast Check

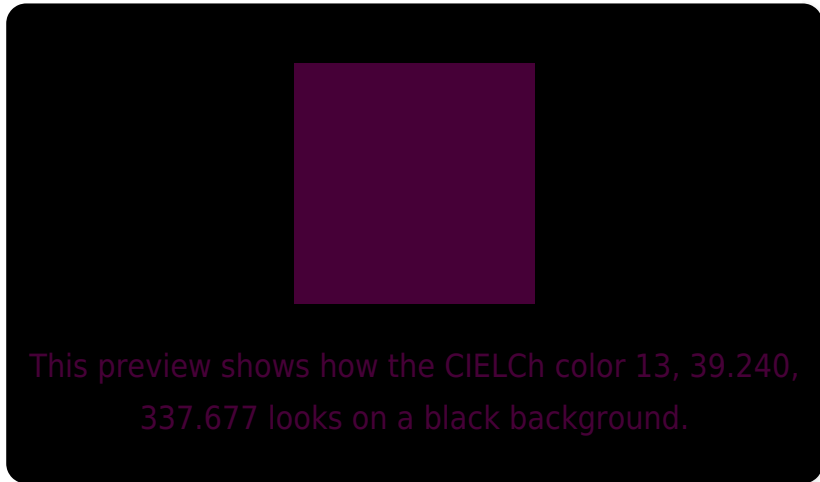
Large Text (above 18pt) WCAG AA ✓ Pass

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

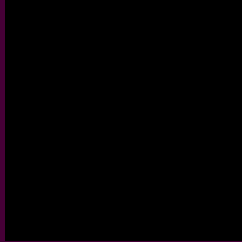
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 39.240, 337.677

Background



This preview shows how black text looks on a background with the CIELCh color 13, 39.240, 337.677.



This preview shows how white text looks on a background with the CIELCh color 13, 39.240, 337.677.

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, 39.240, 337.677

Protanopia

15, 29.198, 283.601

Deuteranopia

15, 9.268, 282.175



Tritanopia
15, 24.292, 25.757

Trichromacy



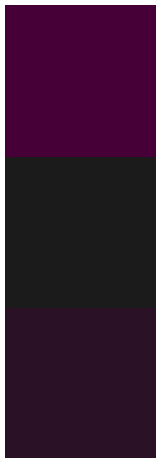
Original Color
13, 39.240, 337.677

Protanomaly
12, 33.128, 301.614

Deuteranomaly
13, 22.074, 321.419

Tritanomaly
14, 27.577, 1.000

Monochromacy



Original Color
13, 39.240, 337.677

Achromatopsia
10, 0.003, 296.813

Achromatomaly
9, 18.583, 335.012

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 39.240, 337.677 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, 55)` looks like.

```
.text, #text, p{  
    color:rgb(70, 0, 55)  
}
```

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, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 0, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 39.240, 337.677 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, 55) }
```

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

```
.border{ border-color:rgb(70, 0, 55) }
```

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, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 0, 55); -webkit-box-shadow:4px  
4px 4px 4px rgb(70, 0, 55); box-shadow:4px  
4px 4px 4px rgb(70, 0, 55) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 39.240, 337.677 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, 55) }
```

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

```
.background{ background-color: rgb(70, 0,  
55) }
```

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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