

Converting Colors

CIELCh(13, 42.002, 330.493)

Have a look what the booklet for
CIELCh(13, 42.002, 330.493)
contains.

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Color

CIELCh(13, 41.993, 330.451)

Conversions

Conversions Part 1

Format	Color
Hex	43013F
RGB	67, 1, 63
RGB Percent	26%, 0%, 25%
CMY	0.7379, 0.9967, 0.7536
CMYK	0.00, 0.99, 0.06, 0.74
HSL	304°, 98%, 13%
HSV	304°, 99%, 26%
XYZ	3.2048, 1.5625, 4.8118
YIQ	27.8020, 19.4340, 33.2740

Conversions

Conversions Part 2

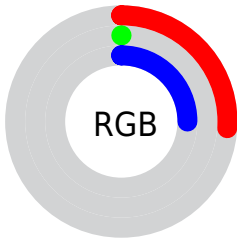
Format	Color
RYB	67, 1, 63
Decimal	4391231
CIELab	13.00, 36.53, -20.71
CIElCh	13, 41.993, 330.451
Yxy	1.5625, 0.3346, 0.1631
Android (android.graphics.Color)	4282581311 (0xFF43013F)
YUV	27.8020, 17.3526, 34.3766
Hunter-Lab	12.5000, 23.8892, -14.0732

Details

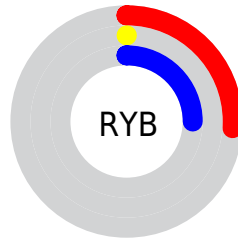
The CIELCh color **13, 41.993, 330.451** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **24, 43.659, 137.762**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 42.280, 330.579**, and **1, 8.893, 302.783** is the 20% darker color. If you saturate the color by 10%, you get **13, 42.350, 330.492**, and if you desaturate by 10%, it is **14, 39.280, 330.119**.

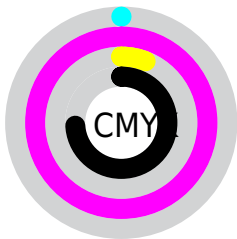
Distribution



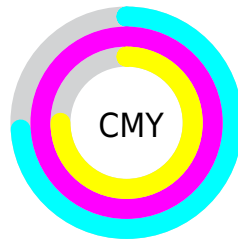
- Red (26%)
- Green (0%)
- Blue (25%)



- Red (26%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (99%)
- Yellow (6%)
- Black (74%)





- Cyan (74%)
- Magenta (100%)
- Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 41.993, 330.451 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, 41.993, 330.451 by changing the saturation by 10% instead.

 13, 41.993,
330.451


 13, 41.993,
330.451


 100, 41.993,
330.451


 3, 41.993, 330.451


 33, 41.993,
330.451

 0, 41.993, 330.451

 43, 41.993,
330.451


 53, 41.993,
330.451


 63, 41.993,
330.451


 73, 41.993,
330.451


 83, 41.993,


330.451


 93, 41.993,
330.451


 13, 41.993,
330.451


 13, 41.993,
330.451

 13, 42.350,
330.492

 14, 39.280,
330.119

 15, 36.582,
329.772

 16, 33.174,
329.386

 17, 29.126,
328.962

 19, 24.598,
328.506

■ 21, 19.747,
328.026

■ 23, 14.706,
327.530

■ 24, 9.580, 327.026

■ 27, 4.449, 326.511

Harmonies

Complementary

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



13, 41.993, 330.451



24, 43.659, 137.762

Rectangle

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



13, 41.993, 330.451



13, 41.993, 20.451



13, 41.993, 150.451



13, 41.993, 200.451

Sweetspot

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



13, 41.992, 330.451



29, 19.049, 327.655



4, 46.256, 303.616



13, 12.785, 327.738



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, 41.992, 330.451



18, 50.402, 330.592



11, 32.124, 0.726



12, 2.812, 326.498



21, 54.409, 330.629



53, 100.007, 330.827

Inverse Universe

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



13, 41.992, 330.451



18, 50.402, 330.592



24, 30.201, 154.924



12, 2.812, 326.498



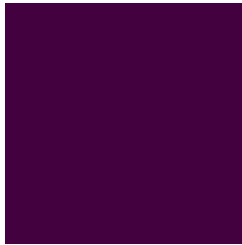
21, 54.409, 330.629



53, 100.007, 330.827

Previews

White Background



This preview shows how the CIELCh color 13, 41.993, 330.451 looks on a white background.

Color Contrast Check

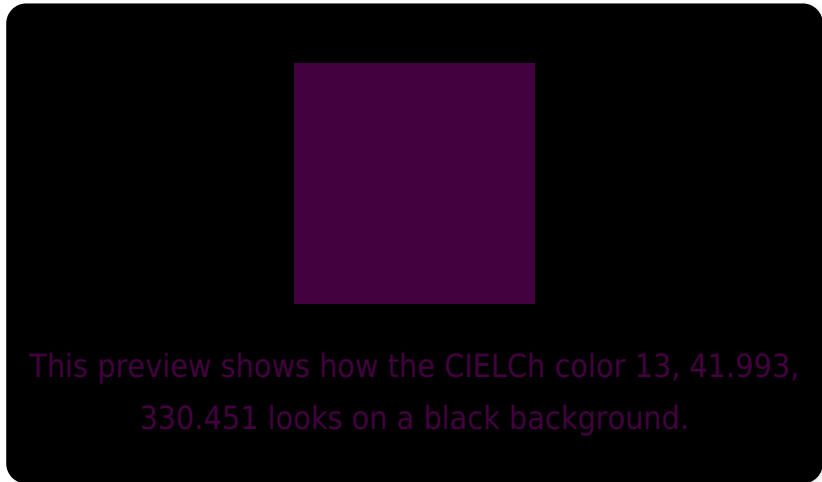
Large Text (above 18pt) WCAG AA ✓ Pass

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

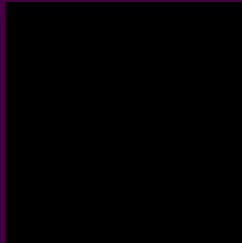
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 41.993, 330.451

Background



This preview shows how black text looks on a background with the CIELCh color 13, 41.993, 330.451.



This preview shows how white text looks on a background with the CIELCh color 13, 41.993, 330.451.

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, 41.993, 330.451

Deuteranopia

15, 15.233, 277.459

Tritanopia

15, 20.404, 23.826

Trichromacy

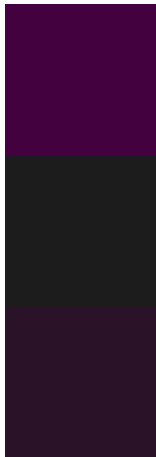


Original Color
13, 41.993, 330.451

Deuteranomaly
12, 26.567, 310.858

Tritanomaly
13, 25.921, 353.194

Monochromacy



Original Color
13, 41.993, 330.451

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 19.661, 328.069

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 41.993, 330.451 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(67, 1, 63)` looks like.

```
.text, #text, p{  
    color:rgb(67, 1, 63)  
}
```

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(67, 1, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 1, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 41.993, 330.451 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(67, 1, 63) }
```

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

```
.border{ border-color:rgb(67, 1, 63) }
```

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

Here you see how a box with a 4 pixel rgb(67, 1, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 1, 63); -webkit-box-shadow:4px  
4px 4px 4px rgb(67, 1, 63); box-shadow:4px  
4px 4px 4px rgb(67, 1, 63) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 41.993, 330.451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 1, 63) }
```

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

```
.background{ background-color: rgb(67, 1,  
63) }
```

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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