

Converting Colors

CIELCh(13, 70.310, 308.964)

Have a look what the booklet for
CIELCh(13, 70.310, 308.964)
contains.

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Color

CIELCh(13, 70.634, 309.002)

Conversions

Conversions Part 1

Format	Color
Hex	240071
RGB	36, 0, 113
RGB Percent	14%, 0%, 44%
CMY	0.8592, 1.0000, 0.5572
CMYK	0.68, 1.00, 0.00, 0.56
HSL	259°, 100%, 22%
HSV	259°, 100%, 44%
XYZ	3.6998, 1.5625, 15.7069
YIQ	23.6460, -14.8170, 42.7750

Conversions

Conversions Part 2

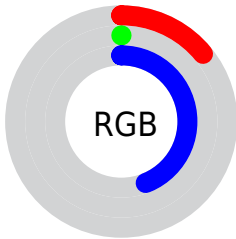
Format	Color
RYB	36, 0, 113
Decimal	2359409
CIELab	13.00, 44.45, -54.89
CIELCh	13, 70.634, 309.002
Yxy	1.5625, 0.1764, 0.0745
Android (android.graphics.Color)	4280549489 (0xFF240071)
YUV	23.6460, 44.0515, 10.8345
Hunter-Lab	12.5000, 30.9582, -65.7508

Details

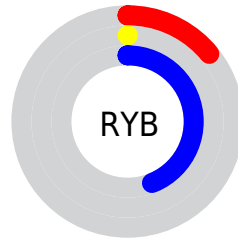
The CIELCh color **13, 70.634, 309.002** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **43, 56.124, 120.086**, and the grayscale version is **8, 0.002, 296.812**.

A 20% lighter version of the original color is **33, 70.866, 309.045**, and **3, 44.330, 301.844** is the 20% darker color. If you saturate the color by 10%, you get **13, 70.607, 308.994**, and if you desaturate by 10%, it is **15, 65.338, 308.607**.

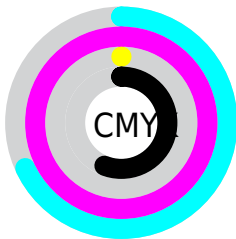
Distribution



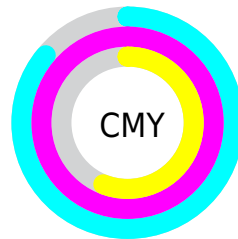
- Red (14%)
- Green (0%)
- Blue (44%)



- Red (14%)
- Yellow (0%)
- Blue (44%)



- Cyan (68%)
- Magenta (100%)
- Yellow (0%)
- Black (56%)



- Cyan (86%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 70.634, 309.002 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, 70.634, 309.002 by changing the saturation by 10% instead.

■ 13, 70.634,
309.002

■ 13, 70.634,
309.002

■ 100, 70.634,
309.002

■ 3, 70.634, 309.002

■ 33, 70.634,
309.002

■ 0, 70.634, 309.002

■ 43, 70.634,
309.002


■ 53, 70.634,
309.002


■ 63, 70.634,
309.002


■ 73, 70.634,
309.002


■ 83, 70.634,


309.002


 93, 70.634,
309.002


 13, 70.634,
309.002


 13, 70.634,
309.002


 13, 70.607,
308.994

 15, 65.338,
308.607

 18, 59.441,
308.205

 21, 52.395,
307.535

 25, 44.772,
306.735

 28, 36.959,
305.899

■ 32, 29.181,
305.085

■ 36, 21.556,
304.327

■ 40, 14.141,
303.636

■ 44, 6.956, 303.016

Harmonies

Complementary

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



13, 70.634, 309.002



43, 56.124, 120.086

Rectangle

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



13, 70.634, 309.002



13, 70.634, 359.002



13, 70.634, 129.002



13, 70.634, 179.002

Sweetspot

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



13, 70.607, 308.994



47, 26.926, 304.385



31, 26.984, 256.686



22, 18.343, 304.624



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



13, 70.607, 308.994



19, 86.060, 308.734



22, 64.358, 321.575



21, 3.885, 302.957



14, 73.730, 308.930



35, 126.773, 308.399

Inverse Universe

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



24, 50.481, 345.204



32, 61.019, 345.815



41, 64.296, 134.424



22, 3.666, 335.574



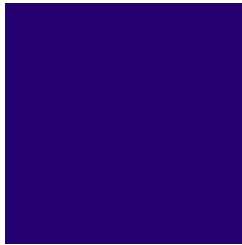
26, 52.608, 345.349



55, 88.889, 346.673

Previews

White Background



This preview shows how the CIELCh color 13, 70.634, 309.002 looks on a white background.

Color Contrast Check

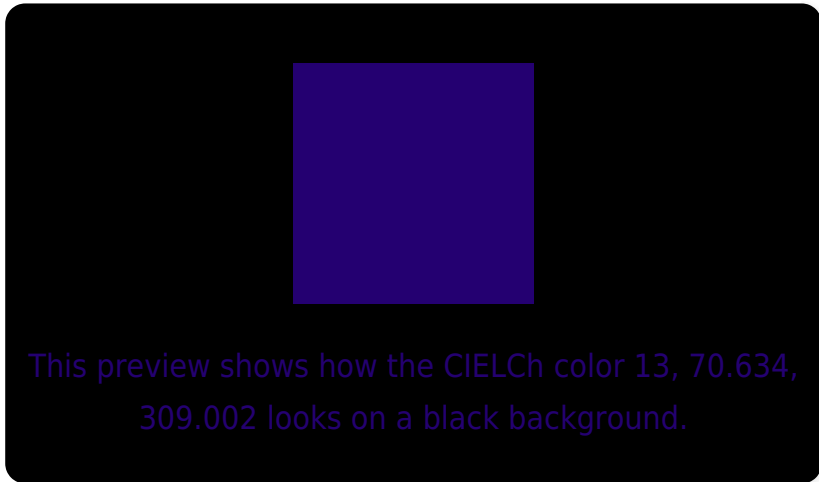
Large Text (above 18pt) WCAG AA ✓ Pass

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

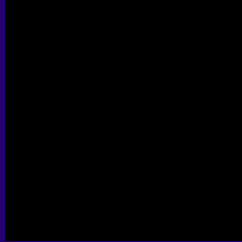
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 70.634, 309.002

Background



This preview shows how black text looks on a background with the CIELCh color 13, 70.634, 309.002.



This preview shows how white text looks on a background with the CIELCh color 13, 70.634, 309.002.

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, 70.634, 309.002

Protanopia

14, 29.424, 282.516

Deuteranopia

15, 20.202, 265.486



Tritanopia
15, 13.858, 205.525

Trichromacy



Original Color
13, 70.634, 309.002

Protanomaly
12, 47.315, 299.707

Deuteranomaly
12, 40.704, 297.279

Tritanomaly
11, 31.134, 292.468

Monochromacy



Original Color
13, 70.634, 309.002

Achromatopsia
8, 0.002, 296.813

Achromatomaly
8, 30.600, 307.185

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 70.634, 309.002 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(36, 0, 113)` looks like.

```
.text, #text, p{  
    color:rgb(36, 0, 113)  
}
```

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(36, 0, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 0, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 70.634, 309.002 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(36, 0, 113) }
```

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

```
.border{ border-color:rgb(36, 0, 113) }
```

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

Here you see how a box with a 4 pixel rgb(36, 0, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 0, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 0, 113);  
box-shadow:4px 4px 4px 4px rgb(36, 0, 113)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 70.634, 309.002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 0, 113) }
```

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

```
.background{ background-color: rgb(36, 0,  
113) }
```

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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