

Converting Colors

CIELCh(13, 70.307, 308.691)

Have a look what the booklet for
CIELCh(13, 70.307, 308.691)
contains.

CIELCh(13, 70.312, 308.726)	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, 70.312, 308.726)

Conversions

Conversions Part 1

Format	Color
Hex	230171
RGB	35, 1, 113
RGB Percent	14%, 0%, 44%
CMY	0.8634, 0.9965, 0.5574
CMYK	0.69, 0.99, 0.00, 0.56
HSL	258°, 98%, 22%
HSV	258°, 99%, 44%
XYZ	3.6693, 1.5625, 15.6899
YIQ	23.9340, -15.6880, 42.0400

Conversions

Conversions Part 2

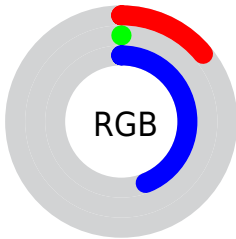
Format	Color
R_{YB}	35, 1, 113
Decimal	2294129
CIE _{Lab}	13.00, 43.99, -54.85
CIE _{LCh}	13, 70.312, 308.726
Yxy	1.5625, 0.1754, 0.0747
Android (android.graphics.Color)	4280484209 (0xFF230171)
YUV	23.9340, 43.9095, 9.7049
Hunter-Lab	12.5000, 30.5232, -65.6705

Details

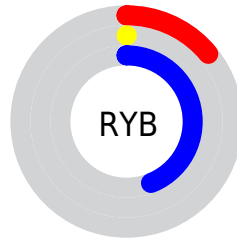
The CIELCh color **13, 70.312, 308.726** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **43, 55.624, 119.361**, and the grayscale version is **8, 0.002, 296.812**.

A 20% lighter version of the original color is **33, 70.318, 308.649**, and **3, 44.330, 301.844** is the 20% darker color. If you saturate the color by 10%, you get **13, 70.765, 308.781**, and if you desaturate by 10%, it is **15, 65.036, 308.320**.

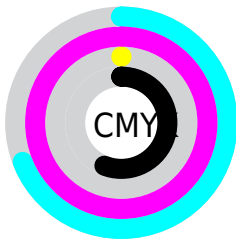
Distribution



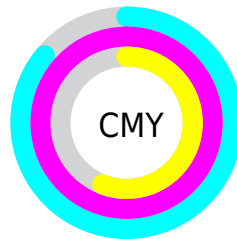
- Red (14%)
- Green (0%)
- Blue (44%)



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



- Cyan (69%)
- Magenta (99%)
- Yellow (0%)
- Black (56%)





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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 70.312, 308.726 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, 70.312, 308.726 by changing the saturation by 10% instead.

 13, 70.312,
308.726


 13, 70.312,
308.726


 100, 70.312,
308.726


 3, 70.312, 308.726


 33, 70.312,
308.726

 0, 70.312, 308.726

 43, 70.312,
308.726


 53, 70.312,
308.726


 63, 70.312,
308.726


 73, 70.312,
308.726


 83, 70.312,


308.726


 93, 70.312,
308.726


 13, 70.312,
308.726


 13, 70.312,
308.726


 13, 70.765,
308.781

 15, 65.036,
308.320

 18, 58.973,
307.842

 21, 51.817,
307.109

 25, 44.136,
306.259

 28, 36.303,
305.384

■ 32, 28.530,
304.543

■ 36, 20.925,
303.763

■ 40, 13.538,
303.057

■ 44, 6.387, 302.425

Harmonies

Complementary

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



13, 70.312, 308.726



43, 55.624, 119.361

Rectangle

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



13, 70.312, 308.726



13, 70.312, 358.726



13, 70.312, 128.726



13, 70.312, 178.726

Sweetspot

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



13, 70.313, 308.727



47, 26.885, 303.882



31, 26.190, 253.365



21, 18.318, 304.129



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, 70.313, 308.727



19, 86.287, 308.528



22, 64.224, 321.022



21, 3.877, 302.412



14, 73.925, 308.719



34, 127.101, 308.204

Inverse Universe

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



24, 50.797, 344.038



32, 61.584, 344.724



41, 63.837, 134.235



22, 3.705, 334.955



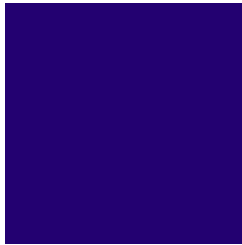
26, 53.092, 344.292



55, 89.718, 345.522

Previews

White Background



This preview shows how the CIELCh color 13, 70.312, 308.726 looks on a white background.

Color Contrast Check

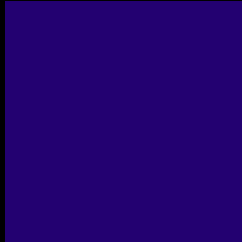
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 13, 70.312, 308.726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

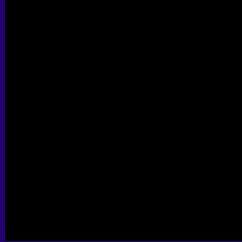
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 70.312, 308.726

Background



This preview shows how black text looks on a background with the CIELCh color 13, 70.312, 308.726.



This preview shows how white text looks on a background with the CIELCh color 13, 70.312, 308.726.

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, 70.312, 308.726

Protanopia

14, 28.780, 281.828

Deuteranopia

15, 20.202, 265.486



Tritanopia
15, 13.965, 202.420

Trichromacy



Original Color
13, 70.312, 308.726

Protanomaly
12, 46.686, 299.571

Deuteranomaly
12, 40.704, 297.279

Tritanomaly
11, 30.451, 292.097

Monochromacy



Original Color
13, 70.312, 308.726

Achromatopsia
8, 0.002, 296.813

Achromatomaly
8, 29.846, 306.613

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 70.312, 308.726 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(35, 1, 113)` looks like.

```
.text, #text, p{  
    color:rgb(35, 1, 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(35, 1, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 1, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 70.312, 308.726 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(35, 1, 113) }
```

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

```
.border{ border-color:rgb(35, 1, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 1, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 1, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 1, 113);  
box-shadow:4px 4px 4px 4px rgb(35, 1, 113)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 70.312, 308.726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 1, 113) }
```

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

```
.background{ background-color: rgb(35, 1,  
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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