

Converting Colors

CIELCh(13, 68.131, 308.251)

Have a look what the booklet for
CIELCh(13, 68.131, 308.251)
contains.

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Color

CIELCh(13, 68.131, 308.232)

Conversions

Conversions Part 1

Format	Color
Hex	22046F
RGB	34, 4, 111
RGB Percent	13%, 2%, 44%
CMY	0.8676, 0.9850, 0.5655
CMYK	0.70, 0.97, 0.00, 0.57
HSL	257°, 93%, 22%
HSV	257°, 97%, 43%
XYZ	3.5518, 1.5625, 15.0978
YIQ	25.1680, -16.4670, 39.6370

Conversions

Conversions Part 2

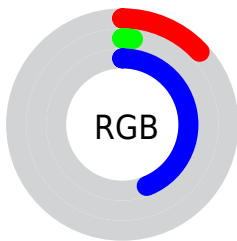
Format	Color
R_{YB}	34, 4, 111
Decimal	2229359
CIE _{Lab}	13.00, 42.16, -53.52
CIE _{LCh}	13, 68.131, 308.232
Yxy	1.5625, 0.1757, 0.0773
Android (android.graphics.Color)	4280419439 (0xFF22046F)
YUV	25.1680, 42.3152, 7.7457
Hunter-Lab	12.5000, 28.8445, -62.8619

Details

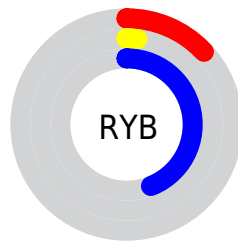
The CIELCh color **13, 68.131, 308.232** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **43, 53.756, 118.124**, and the grayscale version is **9, 0.002, 296.813**.

A 20% lighter version of the original color is **33, 68.080, 308.181**, and **3, 42.690, 301.121** is the 20% darker color. If you saturate the color by 10%, you get **12, 70.110, 308.488**, and if you desaturate by 10%, it is **15, 62.815, 307.794**.

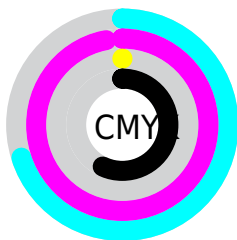
Distribution



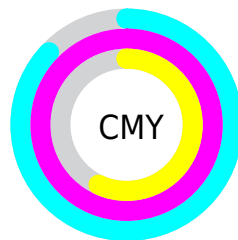
- Red (13%)
- Green (2%)
- Blue (44%)



- Red (13%)
- Yellow (2%)
- Blue (44%)



- Cyan (70%)
- Magenta (97%)
- Yellow (0%)
- Black (57%)





- Cyan (87%)
- Magenta (99%)
- Yellow (57%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 68.131, 308.232 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, 68.131, 308.232 by changing the saturation by 10% instead.

 13, 68.131,
308.232

 13, 68.131,
308.232


 100, 68.131,
308.232


 3, 68.131, 308.232


 33, 68.131,
308.232

 0, 68.131, 308.232

 43, 68.131,
308.232

 53, 68.131,
308.232


 63, 68.131,
308.232


 73, 68.131,
308.232

 83, 68.131,


308.232

 93, 68.131,
308.232


 13, 68.131,
308.232


 13, 68.131,
308.232


 12, 70.110,
308.488

 15, 62.815,
307.794

 18, 56.390,
307.148

 21, 49.078,
306.294

 25, 41.395,
305.361

 29, 33.656,
304.434

■ 33, 26.030,
303.560

■ 36, 18.600,
302.760

■ 40, 11.398,
302.043

■ 44, 4.436, 301.406

Harmonies

Complementary

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



13, 68.131, 308.232



43, 53.756, 118.124

Rectangle

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



13, 68.131, 308.232



13, 68.131, 358.232



13, 68.131, 128.232



13, 68.131, 178.232

Sweetspot

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



13, 68.132, 308.233



45, 25.152, 303.007



32, 24.438, 245.935



21, 17.229, 303.263



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



13, 68.132, 308.233



18, 84.407, 308.254



21, 62.790, 319.983



21, 3.865, 301.556



14, 74.220, 308.409



34, 127.590, 307.920

Inverse Universe

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



24, 50.461, 342.073



31, 60.969, 343.016



41, 61.711, 133.771



22, 3.768, 334.014



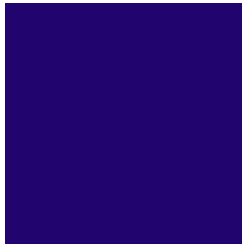
26, 53.888, 342.693



55, 91.092, 343.782

Previews

White Background



This preview shows how the CIE LCh color 13, 68.131, 308.232 looks on a white background.

Color Contrast Check

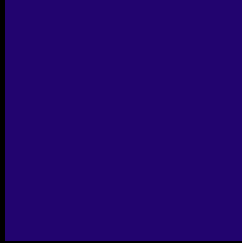
Large Text (above 18pt) WCAG AA ✓ Pass

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, 68.131, 308.232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

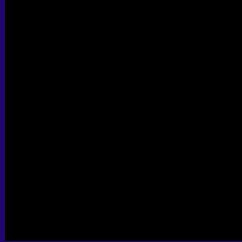
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 68.131, 308.232

Background



This preview shows how black text looks on a background with the CIELCh color 13, 68.131, 308.232.



This preview shows how white text looks on a background with the CIELCh color 13, 68.131, 308.232.

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, 68.131, 308.232

Protanopia

14, 28.137, 281.107

Deuteranopia

14, 19.614, 264.715



Tritanopia
14, 13.761, 202.532

Trichromacy



Original Color
13, 68.131, 308.232

Protanomaly
12, 45.347, 298.755

Deuteranomaly
12, 38.648, 295.972

Tritanomaly
11, 29.789, 291.364

Monochromacy



Original Color
13, 68.131, 308.232

Achromatopsia
9, 0.002, 296.813

Achromatomaly
8, 29.079, 306.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 68.131, 308.232 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(34, 4, 111)` looks like.

```
.text, #text, p{  
    color:rgb(34, 4, 111)  
}
```

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(34, 4, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 4, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 68.131, 308.232 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(34, 4, 111) }
```

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

```
.border{ border-color:rgb(34, 4, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 4, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 4, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 4, 111);  
box-shadow:4px 4px 4px 4px rgb(34, 4, 111)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 68.131, 308.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 4, 111) }
```

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

```
.background{ background-color: rgb(34, 4,  
111) }
```

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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