

Converting Colors

CIELCh(13, 27.370, 335.978)

Have a look what the booklet for
CIELCh(13, 27.370, 335.978)
contains.

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Color

CIELCh(13, 27.413, 336.380)

Conversions

Conversions Part 1

Format	Color
Hex	3B1131
RGB	59, 17, 49
RGB Percent	23%, 7%, 19%
CMY	0.7681, 0.9328, 0.8073
CMYK	0.00, 0.71, 0.17, 0.77
HSL	314°, 55%, 15%
HSV	314°, 71%, 23%
XYZ	2.5722, 1.5625, 3.0868
YIQ	33.2060, 14.7600, 18.8560

Conversions

Conversions Part 2

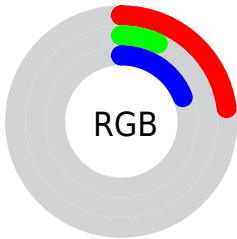
Format	Color
R_{YB}	59, 17, 49
Decimal	3871025
CIE _{Lab}	13.00, 25.12, -10.98
CIE _{LCh}	13, 27.413, 336.380
Yxy	1.5625, 0.3562, 0.2164
Android (android.graphics.Color)	4282061105 (0xFF3B1131)
YUV	33.2060, 7.7864, 22.6213
Hunter-Lab	12.5000, 14.8567, -5.8913

Details

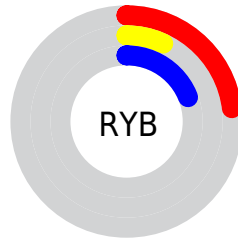
The CIELCh color **13, 27.413, 336.380** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **21, 27.723, 145.789**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 27.632, 336.537**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 30.087, 337.167**, and if you desaturate by 10%, it is **14, 24.196, 335.651**.

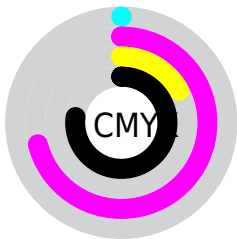
Distribution



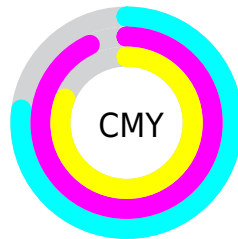
- Red (23%)
- Green (7%)
- Blue (19%)



- Red (23%)
- Yellow (7%)
- Blue (19%)



- Cyan (0%)
- Magenta (71%)
- Yellow (17%)
- Black (77%)





- Cyan (77%)
- Magenta (93%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 27.413, 336.380 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, 27.413, 336.380 by changing the saturation by 10% instead.

 13, 27.413,
336.380


 13, 27.413,
336.380


 100, 27.413,
336.380


 3, 27.413, 336.380


 33, 27.413,
336.380

 0, 27.413, 336.380

 43, 27.413,
336.380


 53, 27.413,
336.380


 63, 27.413,
336.380


 73, 27.413,
336.380


 83, 27.413,


336.380


 93, 27.413,
336.380


 13, 27.413,
336.380


 13, 27.413,
336.380


 12, 30.087,
337.167


 14, 24.196,
335.651

 11, 32.407,
337.969

 16, 20.582,
334.964

 10, 34.735,
338.603

 17, 16.704,
334.310

 19, 12.672,
333.682

 21, 8.573, 333.076

■ 23, 4.472, 332.485

■ 25, 0.412, 331.633

■ 27, 3.578, 151.470

■ 29, 7.480, 150.943

Harmonies

Complementary

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



13, 27.413, 336.380



21, 27.723, 145.789

Rectangle

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



13, 27.413, 336.380



13, 27.413, 26.380



13, 27.413, 156.380



13, 27.413, 206.380

Sweetspot

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



13, 27.412, 336.380



28, 10.622, 333.132



9, 31.111, 304.963



12, 7.058, 333.173



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



13, 27.412, 336.380



16, 37.610, 337.838



12, 22.098, 7.903



10, 2.315, 332.334



19, 47.008, 339.606



50, 86.455, 340.771

Inverse Universe

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



13, 27.412, 336.380



16, 37.610, 337.838



22, 17.981, 171.435



10, 2.315, 332.334



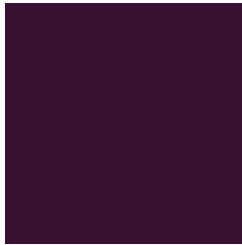
19, 47.008, 339.606



50, 86.455, 340.771

Previews

White Background



This preview shows how the CIELCh color 13, 27.413, 336.380 looks on a white background.

Color Contrast Check

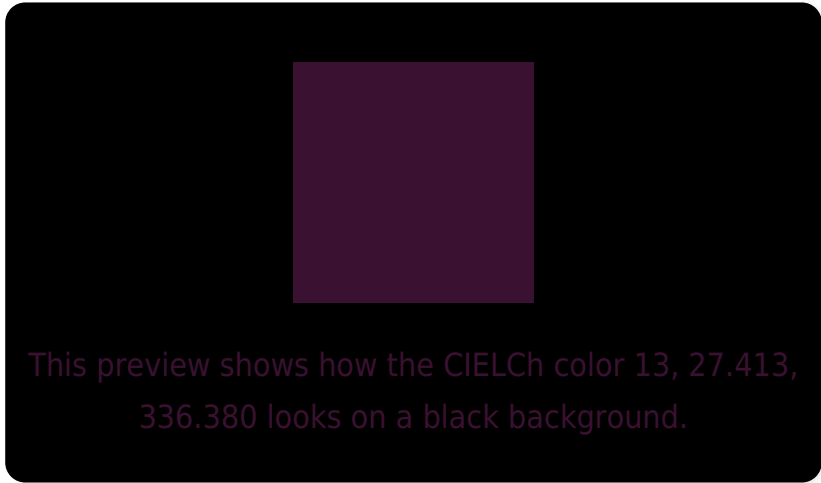
Large Text (above 18pt) WCAG AA ✓ Pass

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

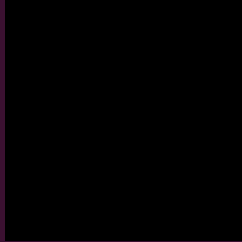
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 27.413, 336.380

Background



This preview shows how black text looks on a background with the CIELCh color 13, 27.413, 336.380.



This preview shows how white text looks on a background with the CIELCh color 13, 27.413, 336.380.

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, 27.413, 336.380

Protanopia

14, 20.880, 284.232

Deuteranopia

14, 8.619, 283.995



Tritanopia
13, 17.709, 20.642

Trichromacy



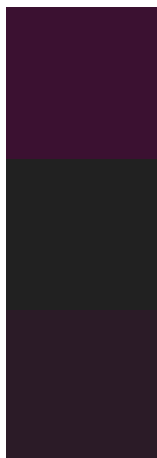
Original Color
13, 27.413, 336.380

Protanomaly
13, 21.819, 303.065

Deuteranomaly
13, 14.822, 316.631

Tritanomaly
13, 19.355, 0.931

Monochromacy



Original Color
13, 27.413, 336.380

Achromatopsia
13, 0.003, 296.813

Achromatomaly
12, 11.518, 334.373

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 27.413, 336.380 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(59, 17, 49)` looks like.

```
.text, #text, p{  
    color:rgb(59, 17, 49)  
}
```

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(59, 17, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 17, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 27.413, 336.380 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(59, 17, 49) }
```

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

```
.border{ border-color:rgb(59, 17, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 17, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 17, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 17, 49);  
box-shadow:4px 4px 4px 4px rgb(59, 17, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 27.413, 336.380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 17, 49) }
```

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

```
.background{ background-color: rgb(59, 17,  
49) }
```

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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