

Converting Colors

CIELCh(13, 36.889, 324.350)

Have a look what the booklet for
CIELCh(13, 36.889, 324.350)
contains.

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Color

CIELCh(13, 36.868, 323.971)

Conversions

Conversions Part 1

Format	Color
Hex	3A0D40
RGB	58, 13, 64
RGB Percent	23%, 5%, 25%
CMY	0.7723, 0.9487, 0.7487
CMYK	0.09, 0.80, 0.00, 0.75
HSL	293°, 66%, 15%
HSV	293°, 80%, 25%
XYZ	2.8215, 1.5625, 5.0138
YIQ	32.2690, 10.4490, 25.4010

Conversions

Conversions Part 2

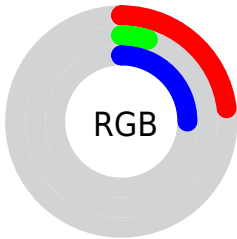
Format	Color
R_{YB}	58, 13, 64
Decimal	3804480
CIE _{Lab}	13.00, 29.82, -21.69
CIE _{LCh}	13, 36.868, 323.971
Yxy	1.5625, 0.3002, 0.1663
Android (android.graphics.Color)	4281994560 (0xFF3A0D40)
YUV	32.2690, 15.6434, 22.5661
Hunter-Lab	12.5000, 18.4155, -15.0314

Details

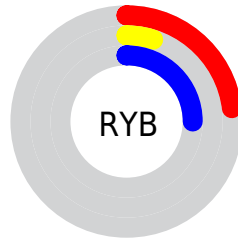
The CIELCh color **13, 36.868, 323.971** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **23, 36.868, 136.312**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 36.623, 323.891**, and **1, 8.892, 288.391** is the 20% darker color. If you saturate the color by 10%, you get **12, 39.893, 324.060**, and if you desaturate by 10%, it is **14, 33.269, 323.800**.

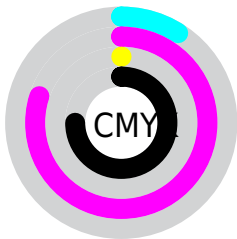
Distribution



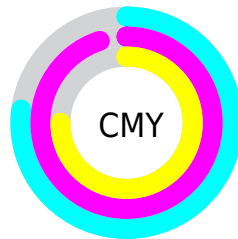
- Red (23%)
- Green (5%)
- Blue (25%)



- Red (23%)
- Yellow (5%)
- Blue (25%)



- Cyan (9%)
- Magenta (80%)
- Yellow (0%)
- Black (75%)





- Cyan (77%)
- Magenta (95%)
- Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 36.868, 323.971 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, 36.868, 323.971 by changing the saturation by 10% instead.

 13, 36.868,
323.971


 13, 36.868,
323.971


 100, 36.868,
323.971


 3, 36.868, 323.971


 33, 36.868,
323.971

 0, 36.868, 323.971

 43, 36.868,
323.971


 53, 36.868,
323.971


 63, 36.868,
323.971


 73, 36.868,
323.971


 83, 36.868,


323.971


 93, 36.868,
323.971


 13, 36.868,
323.971


 13, 36.868,
323.971


 12, 39.893,
324.060


 14, 33.269,
323.800


 11, 43.127,
324.205

 16, 29.105,
323.541

 11, 43.268,
324.212

 17, 24.537,
323.215

 19, 19.712,
322.843

 21, 14.747,
322.442

■ 23, 9.734, 322.023

■ 25, 4.737, 321.593

■ 27, 0.198, 141.718

■ 29, 5.043, 140.817

Harmonies

Complementary

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



13, 36.868, 323.971



23, 36.868, 136.312

Rectangle

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



13, 36.868, 323.971



13, 36.868, 13.971



13, 36.868, 143.971



13, 36.868, 193.971

Sweetspot

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



13, 36.867, 323.971



30, 14.995, 322.254



9, 32.664, 297.048



13, 10.397, 322.322



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, 36.867, 323.971



16, 50.743, 324.025



13, 29.209, 344.008



12, 2.826, 321.548



19, 57.331, 323.959



49, 105.835, 323.639

Inverse Universe

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



12, 26.880, 21.706



15, 39.694, 27.952



23, 29.360, 149.172



12, 1.707, 10.267



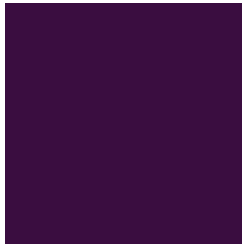
18, 46.092, 30.436



47, 89.685, 35.508

Previews

White Background



This preview shows how the CIE LCh color 13, 36.868, 323.971 looks on a white background.

Color Contrast Check

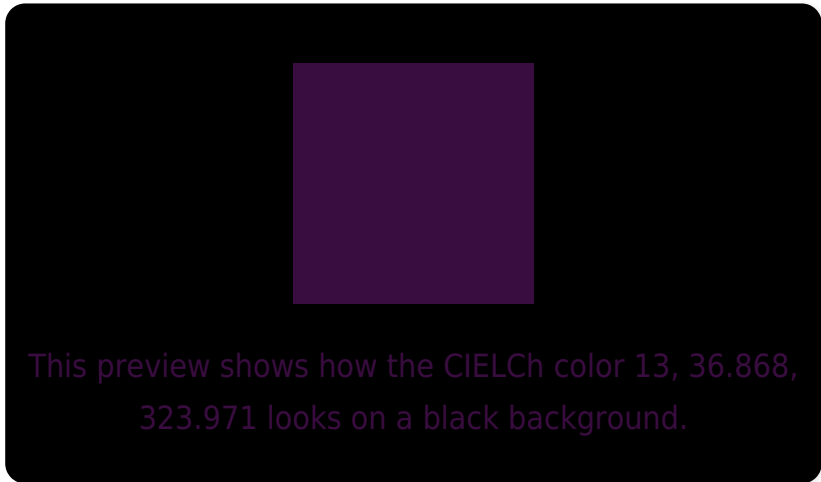
Large Text (above 18pt) WCAG AA ✓ Pass

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

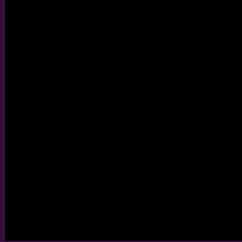
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 36.868, 323.971

Background



This preview shows how black text looks on a background with the CIELCh color 13, 36.868, 323.971.



This preview shows how white text looks on a background with the CIELCh color 13, 36.868, 323.971.

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, 36.868, 323.971

Protanopia

13, 27.595, 281.531

Deuteranopia

14, 18.430, 275.788



Tritanopia
14, 14.327, 18.192

Trichromacy



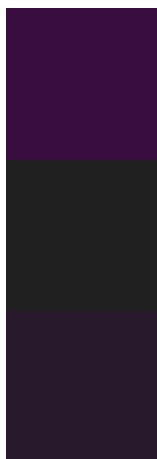
Original Color
13, 36.868, 323.971

Protanomaly
11, 31.051, 296.178

Deuteranomaly
13, 24.536, 300.146

Tritanomaly
13, 20.344, 343.018

Monochromacy



Original Color
13, 36.868, 323.971

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 15.527, 321.638

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 36.868, 323.971 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(58, 13, 64)` looks like.

```
.text, #text, p{  
    color:rgb(58, 13, 64)  
}
```

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(58, 13, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 13, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 36.868, 323.971 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(58, 13, 64) }
```

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

```
.border{ border-color:rgb(58, 13, 64) }
```

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

Here you see how a box with a 4 pixel rgb(58, 13, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 13, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 13, 64);  
box-shadow:4px 4px 4px 4px rgb(58, 13, 64)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 36.868, 323.971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 13, 64) }
```

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

```
.background{ background-color: rgb(58, 13,  
64) }
```

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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