

Converting Colors

CIELCh(13, 37.081, 313.761)

Have a look what the booklet for
CIELCh(13, 37.081, 313.761)
contains.

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Color

CIELCh(13, 37.182, 313.946)

Conversions

Conversions Part 1

Format	Color
Hex	301347
RGB	48, 19, 71
RGB Percent	19%, 7%, 28%
CMY	0.8110, 0.9248, 0.7208
CMYK	0.32, 0.73, 0.00, 0.72
HSL	273°, 58%, 18%
HSV	273°, 73%, 28%
XYZ	2.6077, 1.5625, 6.1583
YIQ	33.5990, 0.5920, 22.3200

Conversions

Conversions Part 2

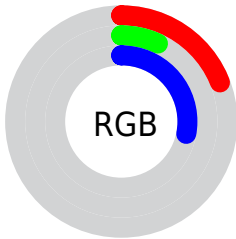
Format	Color
RYB	48, 19, 71
Decimal	3150663
CIELab	13.00, 25.80, -26.77
CIELCh	13, 37.182, 313.946
Yxy	1.5625, 0.2525, 0.1513
Android (android.graphics.Color)	4281340743 (0xFF301347)
YUV	33.5990, 18.4387, 12.6297
Hunter-Lab	12.5000, 15.3634, -20.4599

Details

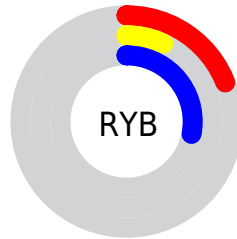
The CIELCh color **13, 37.182, 313.946** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **27, 34.260, 128.296**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 36.948, 313.571**, and **1, 14.128, 289.097** is the 20% darker color. If you saturate the color by 10%, you get **11, 41.503, 314.102**, and if you desaturate by 10%, it is **15, 32.363, 313.650**.

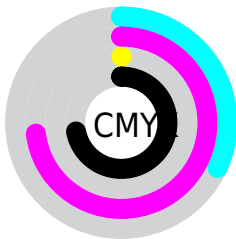
Distribution



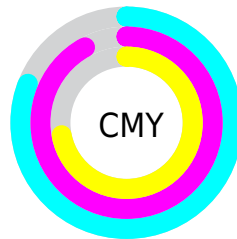
- Red (19%)
- Green (7%)
- Blue (28%)



- Red (19%)
- Yellow (7%)
- Blue (28%)



- Cyan (32%)
- Magenta (73%)
- Yellow (0%)
- Black (72%)





- Cyan (81%)
- Magenta (92%)
- Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 37.182, 313.946 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, 37.182, 313.946 by changing the saturation by 10% instead.

 13, 37.182,
313.946


 13, 37.182,
313.946


 100, 37.182,
313.946


 3, 37.182, 313.946


 33, 37.182,
313.946

 0, 37.182, 313.946

 43, 37.182,
313.946


 53, 37.182,
313.946


 63, 37.182,
313.946


 73, 37.182,
313.946


 83, 37.182,


313.946

 93, 37.182,
313.946

 13, 37.182,
313.946

 13, 37.182,
313.946

 11, 41.503,
314.102


 15, 32.363,
313.650


 9, 45.476, 314.203

 17, 27.262,
313.268

 8, 48.669, 314.479

 20, 22.037,
312.843

 22, 16.793,
312.405

 25, 11.599,
311.971

■ 27, 6.495, 311.554

■ 29, 1.505, 311.133

■ 32, 3.360, 130.838

■ 34, 8.095, 130.499

Harmonies

Complementary

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



13, 37.182, 313.946



27, 34.260, 128.296

Rectangle

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



13, 37.182, 313.946



13, 37.182, 3.946



13, 37.182, 133.946



13, 37.182, 183.946

Sweetspot

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



13, 37.182, 313.946



32, 13.662, 311.962



17, 20.663, 274.925



14, 9.055, 312.005



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



13, 37.182, 313.946



15, 52.957, 314.075



17, 36.764, 329.233



13, 2.764, 311.372



14, 61.449, 313.951



38, 112.992, 313.144

Inverse Universe

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



15, 27.262, 355.692



19, 37.468, 0.301



26, 37.457, 139.812



13, 2.116, 347.494



19, 42.355, 4.488



49, 77.343, 8.291

Previews

White Background



This preview shows how the CIE LCh color 13, 37.182, 313.946 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 CIE LCh color 13, 37.182, 313.946 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, 37.182, 313.946

Background



This preview shows how black text looks on a background with the CIELCh color 13, 37.182, 313.946.



This preview shows how white text looks on a background with the CIELCh color 13, 37.182, 313.946.

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, 37.182, 313.946

Protanopia

13, 27.651, 282.124

Deuteranopia

13, 20.684, 269.799



Tritanopia
13, 4.985, 355.393

Trichromacy



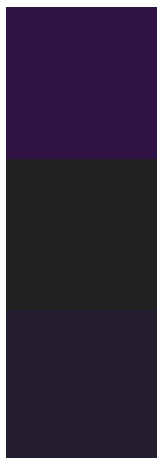
Original Color
13, 37.182, 313.946

Protanomaly
12, 30.930, 293.668

Deuteranomaly
12, 26.043, 290.429

Tritanomaly
13, 16.811, 320.691

Monochromacy



Original Color
13, 37.182, 313.946

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 14.418, 311.534

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 37.182, 313.946 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(48, 19, 71)` looks like.

```
.text, #text, p{  
    color:rgb(48, 19, 71)  
}
```

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(48, 19, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 19, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 37.182, 313.946 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(48, 19, 71) }
```

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

```
.border{ border-color:rgb(48, 19, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 19, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 19, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 19, 71);  
box-shadow:4px 4px 4px 4px rgb(48, 19, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 37.182, 313.946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 19, 71) }
```

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

```
.background{ background-color: rgb(48, 19,  
71) }
```

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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