

Converting Colors

CIE LCh(13, 33.046, 3.106)

Have a look what the booklet for
CIELCh(13, 33.046, 3.106) contains.

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Color

CIELCh(13, 32.872, 3.134)

Conversions

Conversions Part 1

Format	Color
Hex	480320
RGB	72, 3, 32
RGB Percent	28%, 1%, 13%
CMY	0.7167, 0.9873, 0.8738
CMYK	0.00, 0.96, 0.55, 0.72
HSL	335°, 91%, 15%
HSV	335°, 96%, 28%
XYZ	2.9891, 1.5625, 1.5244
YIQ	26.9370, 31.8150, 23.6470

Conversions

Conversions Part 2

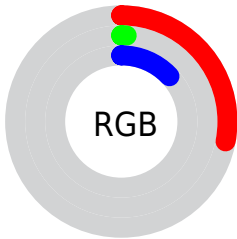
Format	Color
RYB	72, 3, 32
Decimal	4719392
CIELab	13.00, 32.82, 1.80
CIELCh	13, 32.872, 3.134
Yxy	1.5625, 0.4920, 0.2572
Android (android.graphics.Color)	4282909472 (0xFF480320)
YUV	26.9370, 2.4961, 39.5203
Hunter-Lab	12.5000, 20.8091, 1.5196

Details

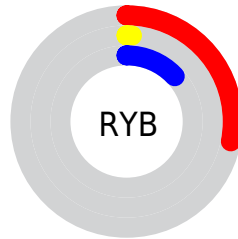
The CIELCh color **13, 32.872, 3.134** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **26, 30.261, 156.815**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 32.875, 2.506**, and **0, 1.664, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **12, 34.023, 4.188**, and if you desaturate by 10%, it is **14, 30.581, 0.462**.

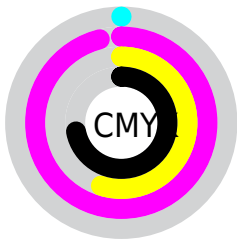
Distribution



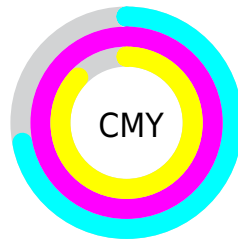
- Red (28%)
- Green (1%)
- Blue (13%)



- Red (28%)
- Yellow (1%)
- Blue (13%)



- Cyan (0%)
- Magenta (96%)
- Yellow (55%)
- Black (72%)



- Cyan (72%)
- Magenta (99%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 32.872, 3.134 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, 32.872, 3.134 by changing the saturation by 10% instead.

 13, 32.872, 3.134  13, 32.872, 3.134

 100, 32.872, 3.134  3, 32.872, 3.134

 33, 32.872, 3.134  0, 32.872, 3.134

 43, 32.872, 3.134

 53, 32.872, 3.134

 63, 32.872, 3.134

 73, 32.872, 3.134

 83, 32.872, 3.134

 93, 32.872, 3.134

 13, 32.872, 3.134  13, 32.872, 3.134

■ 12, 34.023, 4.188

■ 14, 30.581, 0.462

■ 15, 28.087,
357.912

■ 17, 25.011,
355.841

■ 19, 21.504,
354.136

■ 21, 17.723,
352.705

■ 23, 13.803,
351.481

■ 25, 9.846, 350.412

■ 27, 5.923, 349.458

■ 29, 2.081, 348.551

Harmonies

Complementary

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



13, 32.872, 3.134



26, 30.261, 156.815

Rectangle

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



13, 32.872, 3.134



13, 32.872, 53.134



13, 32.872, 183.134



13, 32.872, 233.134

Sweetspot

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



13, 32.870, 3.135



32, 14.011, 350.889



9, 46.992, 314.493



14, 9.710, 351.133



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



13, 32.870, 3.135



18, 40.793, 6.187



13, 34.825, 32.853



13, 2.086, 348.834



19, 42.320, 6.539



48, 77.514, 10.509

Inverse Universe

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



13, 32.870, 3.135



18, 40.793, 6.187



26, 18.310, 206.281



13, 2.086, 348.834



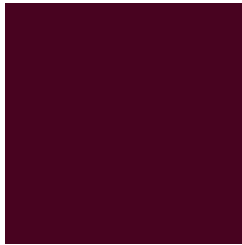
19, 42.320, 6.539



48, 77.514, 10.509

Previews

White Background



This preview shows how the CIELCh color 13, 32.872, 3.134 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

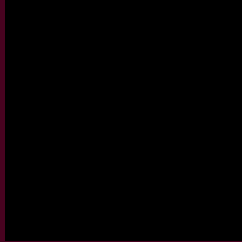
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 32.872, 3.134

Background



This preview shows how black text looks on a background with the CIELCh color 13, 32.872, 3.134.



This preview shows how white text looks on a background with the CIELCh color 13, 32.872, 3.134.

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, 32.872, 3.134

Protanopia

15, 7.111, 285.021

Deuteranopia

15, 6.542, 68.456



Tritanopia
14, 31.342, 29.639

Trichromacy



Original Color
13, 32.872, 3.134

Protanomaly
13, 16.347, 336.968

Deuteranomaly
13, 15.967, 9.565

Tritanomaly
13, 31.206, 20.526

Monochromacy



Original Color
13, 32.872, 3.134

Achromatopsia
10, 0.003, 296.813

Achromatomaly
9, 14.730, 352.319

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 32.872, 3.134 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(72, 3, 32)` looks like.

```
.text, #text, p{  
    color:rgb(72, 3, 32)  
}
```

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(72, 3, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 3, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 32.872, 3.134 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(72, 3, 32) }
```

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

```
.border{ border-color:rgb(72, 3, 32) }
```

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

Here you see how a box with a 4 pixel rgb(72, 3, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 3, 32); -webkit-box-shadow:4px  
4px 4px 4px rgb(72, 3, 32); box-shadow:4px  
4px 4px 4px rgb(72, 3, 32) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 32.872, 3.134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 3, 32) }
```

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

```
.background{ background-color: rgb(72, 3,  
32) }
```

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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