

Converting Colors

CIELCh(15, 33.234, 30.460)

Have a look what the booklet for
CIELCh(15, 33.234, 30.460) contains.

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Color

CIELCh(15, 33.073, 31.121)

Conversions

Conversions Part 1

Format	Color
Hex	4C0F0E
RGB	76, 15, 14
RGB Percent	30%, 6%, 5%
CMY	0.7020, 0.9412, 0.9452
CMYK	0.00, 0.80, 0.82, 0.70
HSL	1°, 69%, 18%
HSV	1°, 82%, 30%
XYZ	3.2288, 1.9086, 0.6130
YIQ	33.1250, 36.6770, 12.6210

Conversions

Conversions Part 2

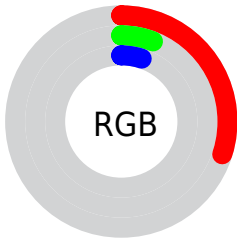
Format	Color
R_{YB}	76, 15, 14
Decimal	4984590
CIE Lab	15.00, 28.31, 17.09
CIE LCh	15, 33.073, 31.121
Yxy	1.9086, 0.5615, 0.3319
Android (android.graphics.Color)	4283174670 (0xFF4C0F0E)
YUV	33.1250, -9.4286, 37.6014
Hunter-Lab	13.8151, 17.5415, 7.0397

Details

The CIELCh color **15, 33.073, 31.121** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **28, 18.875, 198.650**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 33.303, 30.255**, and **1, 4.733, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **14, 36.154, 31.613**, and if you desaturate by 10%, it is **16, 29.017, 29.543**.

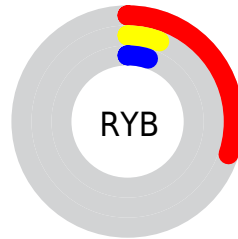
Distribution



Red (30%)

Green (6%)

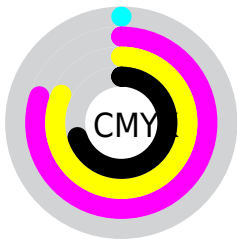
Blue (5%)



Red (30%)

Yellow (6%)

Blue (5%)

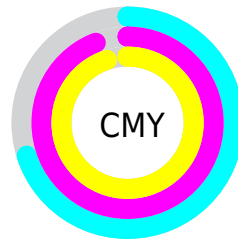


Cyan (0%)

Magenta (80%)

Yellow (82%)

Black (70%)



Cyan (70%)

Magenta (94%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 33.073, 31.121 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 15, 33.073, 31.121 by changing the saturation by 10% instead.

 15, 33.073, 31.121

 15, 33.073, 31.121

 100, 33.073,
31.121

 5, 33.073, 31.121

 0, 33.073, 31.121

 35, 33.073, 31.121

 45, 33.073, 31.121

 55, 33.073, 31.121

 65, 33.073, 31.121

 75, 33.073, 31.121

 85, 33.073, 31.121

 95, 33.073, 31.121

■ 15, 33.073, 31.121

■ 15, 33.073, 31.121

■ 14, 36.154, 31.613

■ 16, 29.017, 29.543

■ 13, 38.673, 31.760

■ 18, 24.471, 27.282

■ 20, 19.974, 25.470

■ 22, 15.622, 24.042

■ 25, 11.478, 22.922

■ 27, 7.575, 22.040

■ 29, 3.925, 21.325

■ 32, 0.522, 20.329

■ 34, 2.647, 200.539

Harmonies

Complementary

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



15, 33.073, 31.121



28, 18.875, 198.650

Rectangle

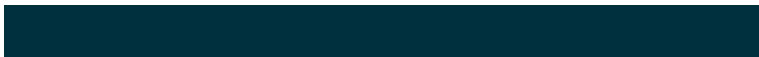
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



15, 33.073, 31.121



15, 33.073, 81.121



15, 33.073, 211.121



15, 33.073, 261.121

Sweetspot

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



15, 33.072, 31.124



35, 10.643, 22.311



17, 43.022, 327.865



16, 7.425, 22.486



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



15, 33.072, 31.124



19, 48.432, 35.860



22, 27.441, 65.910



14, 1.879, 21.130



19, 50.255, 36.407



48, 96.362, 40.130

Inverse Universe

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



28, 18.875, 198.650



37, 24.435, 198.773



18, 22.453, 272.895



15, 1.789, 200.493



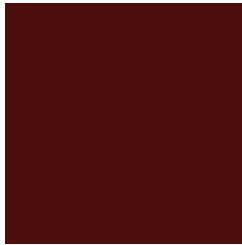
38, 25.023, 198.797



82, 45.214, 198.975

Previews

White Background



This preview shows how the CIE LCh color 15, 33.073, 31.121 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

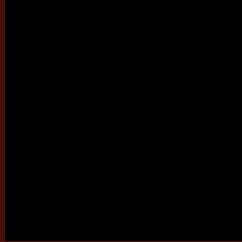
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 33.073, 31.121

Background



This preview shows how black text looks on a background with the CIELCh color 15, 33.073, 31.121.

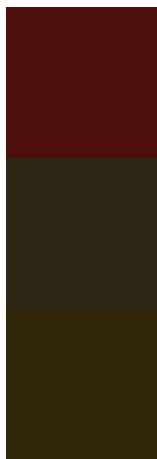


This preview shows how white text looks on a background with the CIELCh color 15, 33.073, 31.121.

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

15, 33.073, 31.121

Protanopia

16, 13.259, 97.050

Deuteranopia

16, 20.018, 85.174



Tritanopia
15, 32.863, 30.332

Trichromacy



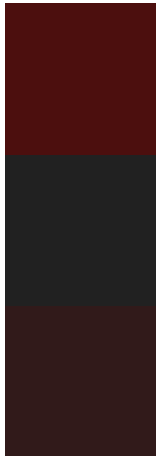
Original Color
15, 33.073, 31.121

Protanomaly
15, 17.372, 52.569

Deuteranomaly
15, 21.751, 56.077

Tritanomaly
15, 32.863, 30.332

Monochromacy



Original Color
15, 33.073, 31.121

Achromatopsia
13, 0.003, 296.813

Achromatomaly
12, 12.447, 23.137

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 33.073, 31.121 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(76, 15, 14)` looks like.

```
.text, #text, p{  
    color:rgb(76, 15, 14)  
}
```

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(76, 15, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 15, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 33.073, 31.121 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(76, 15, 14) }
```

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

```
.border{ border-color:rgb(76, 15, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 15, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 15, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 15, 14);  
box-shadow:4px 4px 4px 4px rgb(76, 15, 14)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 33.073, 31.121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 15, 14) }
```

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

```
.background{ background-color: rgb(76, 15,  
14) }
```

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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