

Converting Colors

CIELCh(15, 30.891, 20.251)

Have a look what the booklet for
CIELCh(15, 30.891, 20.251) contains.

CIELCh(15, 30.831, 19.883)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(15, 30.831, 19.883)

Conversions

Conversions Part 1

Format	Color
Hex	4B0E18
RGB	75, 14, 24
RGB Percent	29%, 5%, 9%
CMY	0.7041, 0.9433, 0.9045
CMYK	0.00, 0.81, 0.68, 0.70
HSL	350°, 68%, 18%
HSV	350°, 81%, 30%
XYZ	3.2696, 1.9086, 1.0793
YIQ	33.3790, 33.1460, 16.0420

Conversions

Conversions Part 2

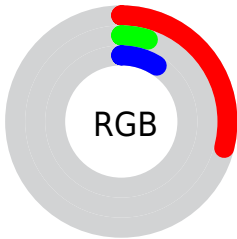
Format	Color
RYB	75, 14, 24
Decimal	4918808
CIELab	15.00, 28.99, 10.49
CIELCh	15, 30.831, 19.883
Yxy	1.9086, 0.5225, 0.3050
Android (android.graphics.Color)	4283108888 (0xFF4B0E18)
YUV	33.3790, -4.6238, 36.5016
Hunter-Lab	13.8151, 18.0693, 5.0386

Details

The CIELCh color **15, 30.831, 19.883** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **28, 21.512, 178.824**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 30.729, 19.519**, and **1, 4.733, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **14, 34.084, 23.081**, and if you desaturate by 10%, it is **16, 27.187, 16.761**.

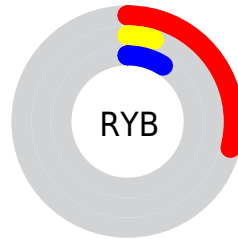
Distribution



Red (29%)

Green (5%)

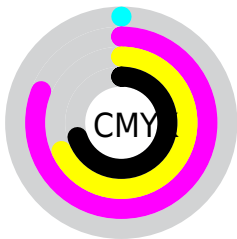
Blue (9%)



Red (29%)

Yellow (5%)

Blue (9%)

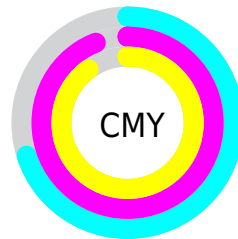


Cyan (0%)

Magenta (81%)

Yellow (68%)

Black (70%)



Cyan (70%)

Magenta (94%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 30.831, 19.883 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, 30.831, 19.883 by changing the saturation by 10% instead.

15, 30.831, 19.883

15, 30.831, 19.883

100, 30.831,
19.883

5, 30.831, 19.883

0, 30.831, 19.883

35, 30.831, 19.883

45, 30.831, 19.883

55, 30.831, 19.883

65, 30.831, 19.883

75, 30.831, 19.883

85, 30.831, 19.883

95, 30.831, 19.883

■ 15, 30.831, 19.883

■ 15, 30.831, 19.883

■ 14, 34.084, 23.081

■ 16, 27.187, 16.761

■ 13, 36.911, 24.183

■ 18, 23.295, 14.228

■ 20, 19.272, 12.182

■ 22, 15.234, 10.520

■ 25, 11.269, 9.151

■ 27, 7.436, 8.005

■ 29, 3.769, 7.012

■ 32, 0.282, 5.339

■ 34, 3.023, 185.630

Harmonies

Complementary

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



15, 30.831, 19.883



28, 21.512, 178.824

Rectangle

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



15, 30.831, 19.883



15, 30.831, 69.883



15, 30.831, 199.883



15, 30.831, 249.883

Sweetspot

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



15, 30.829, 19.885



34, 10.644, 8.445



15, 42.287, 322.428



15, 7.244, 8.652



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



15, 30.829, 19.885



19, 44.087, 27.329



19, 27.833, 51.149



14, 1.954, 6.807



19, 47.093, 28.669



48, 88.689, 32.928

Inverse Universe

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



15, 30.829, 19.885



19, 44.087, 27.329



21, 17.562, 249.998



14, 1.954, 6.807



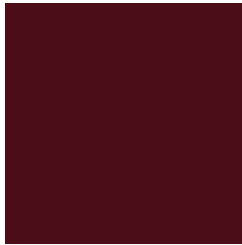
19, 47.093, 28.669



48, 88.689, 32.928

Previews

White Background



This preview shows how the CIELCh color 15, 30.831, 19.883 looks on a white background.

Color Contrast Check

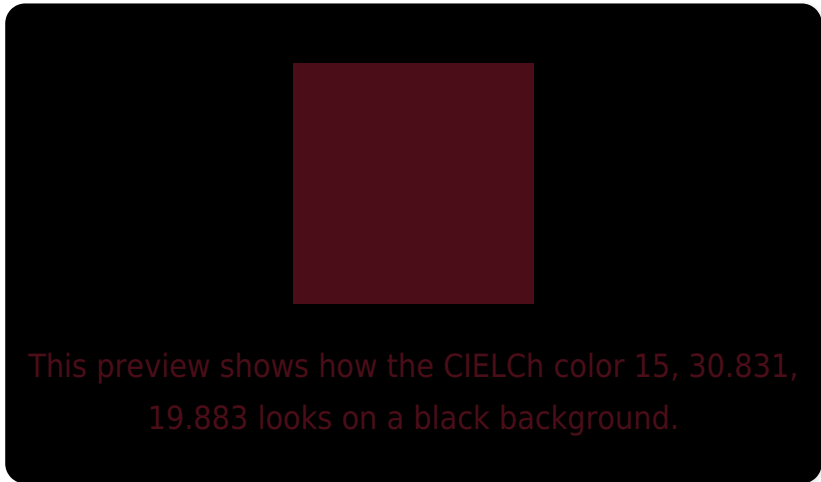
Large Text (above 18pt) WCAG AA ✓ Pass

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, 30.831, 19.883

Background



This preview shows how black text looks on a background with the CIELCh color 15, 30.831, 19.883.



This preview shows how white text looks on a background with the CIELCh color 15, 30.831, 19.883.

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, 30.831, 19.883

Protanopia

16, 4.300, 95.408

Deuteranopia

16, 13.408, 79.722



Tritanopia
15, 31.886, 30.009

Trichromacy



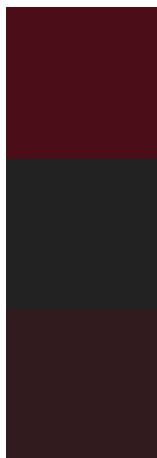
Original Color
15, 30.831, 19.883

Protanomaly
15, 12.278, 25.906

Deuteranomaly
15, 17.818, 39.195

Tritanomaly
15, 31.519, 26.424

Monochromacy



Original Color
15, 30.831, 19.883

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 11.666, 12.559

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 30.831, 19.883 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(75, 14, 24)` looks like.

```
.text, #text, p{  
    color:rgb(75, 14, 24)  
}
```

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(75, 14, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 14, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 30.831, 19.883 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(75, 14, 24) }
```

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

```
.border{ border-color:rgb(75, 14, 24) }
```

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

Here you see how a box with a 4 pixel rgb(75, 14, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 14, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 14, 24);  
box-shadow:4px 4px 4px 4px rgb(75, 14, 24)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 30.831, 19.883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 14, 24) }
```

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

```
.background{ background-color: rgb(75, 14,  
24) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor