

Converting Colors

CIELCh(15, 44.064, 333.590)

Have a look what the booklet for
CIELCh(15, 44.064, 333.590)
contains.

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Color

CIELCh(15, 43.834, 333.643)

Conversions

Conversions Part 1

Format	Color
Hex	4C0042
RGB	76, 0, 66
RGB Percent	30%, 0%, 26%
CMY	0.7031, 1.0000, 0.7422
CMYK	0.00, 1.00, 0.13, 0.70
HSL	308°, 100%, 15%
HSV	308°, 100%, 30%
XYZ	3.9300, 1.9086, 5.2749
YIQ	30.2480, 24.1100, 36.6380

Conversions

Conversions Part 2

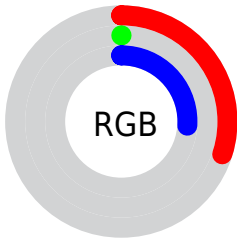
Format	Color
R_{YB}	76, 0, 66
Decimal	4980802
CIE _{Lab}	15.00, 39.28, -19.46
CIE _{LCh}	15, 43.834, 333.643
Yxy	1.9086, 0.3536, 0.1717
Android (android.graphics.Color)	4283170882 (0xFF4C0042)
YUV	30.2480, 17.6257, 40.1245
Hunter-Lab	13.8151, 26.6021, -12.9674

Details

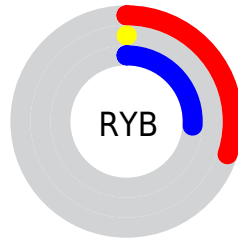
The CIELCh color **15, 43.834, 333.643** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **27, 46.519, 138.822**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 43.951, 333.881**, and **3, 14.884, 329.518** is the 20% darker color. If you saturate the color by 10%, you get **15, 43.719, 333.648**, and if you desaturate by 10%, it is **16, 41.268, 333.138**.

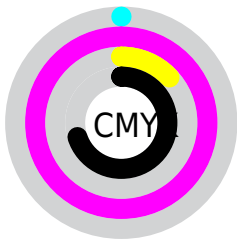
Distribution



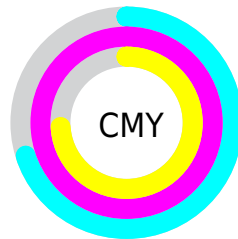
- Red (30%)
- Green (0%)
- Blue (26%)



- Red (30%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (13%)
- Black (70%)





- Cyan (70%)
- Magenta (100%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 43.834, 333.643 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, 43.834, 333.643 by changing the saturation by 10% instead.

 15, 43.834,
333.643


 15, 43.834,
333.643


 100, 43.834,
333.643


 5, 43.834, 333.643


 35, 43.834,
333.643

 0, 43.834, 333.643

 45, 43.834,
333.643


 55, 43.834,
333.643


 65, 43.834,
333.643


 75, 43.834,
333.643


 85, 43.834,


333.643

 95, 43.834,
333.643


 15, 43.834,
333.643


 15, 43.834,
333.643


 15, 43.719,
333.648

 16, 41.268,
333.138

 17, 38.762,
332.602

 18, 35.402,
332.064

 20, 31.285,
331.522

 21, 26.597,
330.974

■ 23, 21.521,
330.420

■ 25, 16.215,
329.866

■ 28, 10.803,
329.312

■ 30, 5.378, 328.759

Harmonies

Complementary

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



15, 43.834, 333.643



27, 46.519, 138.822

Rectangle

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



15, 43.834, 333.643



15, 43.834, 23.643



15, 43.834, 153.643



15, 43.834, 203.643

Sweetspot

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



15, 43.719, 333.648



34, 20.318, 329.930



5, 53.142, 306.175



15, 13.966, 330.058



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, 43.719, 333.648



21, 52.559, 333.887



13, 35.083, 7.759



14, 3.025, 328.684



22, 53.485, 333.907



53, 96.118, 334.378

Inverse Universe

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



15, 43.719, 333.648



21, 52.559, 333.887



28, 31.149, 158.253



14, 3.025, 328.684



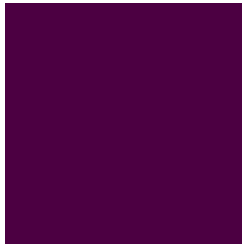
22, 53.485, 333.907



53, 96.118, 334.378

Previews

White Background



This preview shows how the CIELCh color 15, 43.834, 333.643 looks on a white background.

Color Contrast Check

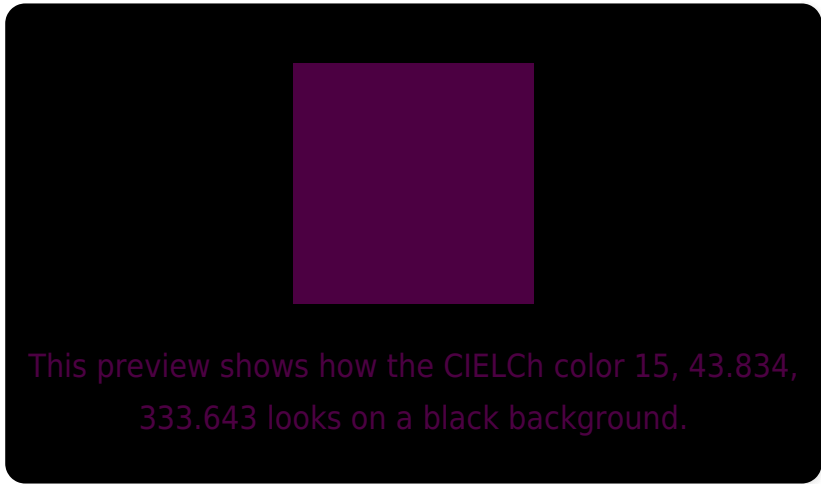
Large Text (above 18pt) WCAG AA ✓ Pass

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

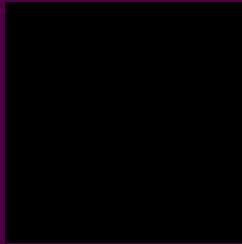
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 43.834, 333.643

Background



This preview shows how black text looks on a background with the CIELCh color 15, 43.834, 333.643.



This preview shows how white text looks on a background with the CIELCh color 15, 43.834, 333.643.

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, 43.834, 333.643

Protanopia

17, 31.692, 282.456

Deuteranopia

17, 14.098, 281.121



Tritanopia
16, 24.435, 25.216

Trichromacy



Original Color
15, 43.834, 333.643

Protanomaly
13, 37.607, 300.520

Deuteranomaly
14, 26.657, 315.039

Tritanomaly
15, 28.725, 357.552

Monochromacy



Original Color
15, 43.834, 333.643

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 20.932, 331.614

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 43.834, 333.643 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, 0, 66)` looks like.

```
.text, #text, p{  
    color:rgb(76, 0, 66)  
}
```

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, 0, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 0, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 43.834, 333.643 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, 0, 66) }
```

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

```
.border{ border-color:rgb(76, 0, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 0, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 0, 66); -webkit-box-shadow:4px  
4px 4px 4px rgb(76, 0, 66); box-shadow:4px  
4px 4px 4px rgb(76, 0, 66) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 43.834, 333.643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 0, 66) }
```

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

```
.background{ background-color: rgb(76, 0,  
66) }
```

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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