

Converting Colors

CIELCh(0, 101.650, 333.574)

Have a look what the booklet for
CIELCh(0, 101.650, 333.574)
contains.

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Color

CIELCh(15, 44.678, 332.978)

Conversions

Conversions Part 1

Format	Color
Hex	4C0043
RGB	76, 0, 67
RGB Percent	30%, 0%, 26%
CMY	0.7026, 1.0000, 0.7375
CMYK	0.00, 1.00, 0.12, 0.70
HSL	307°, 100%, 15%
HSV	307°, 100%, 30%
XYZ	3.9658, 1.9086, 5.4589
YIQ	30.3620, 23.7890, 36.9490

Conversions

Conversions Part 2

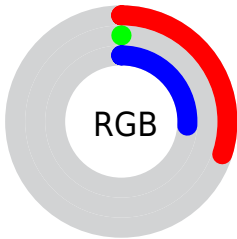
Format	Color
RYB	76, 0, 67
Decimal	4980803
CIELab	15.00, 39.80, -20.30
CIELCh	15, 44.678, 332.978
Yxy	1.9086, 0.3499, 0.1684
Android (android.graphics.Color)	4283170883 (0xFF4C0043)
YUV	30.3620, 18.0625, 40.0245
Hunter-Lab	13.8151, 27.0646, -13.7570

Details

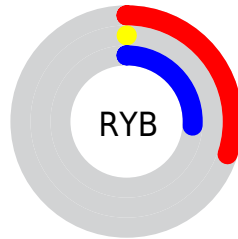
The CIELCh color **15, 44.678, 332.978** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **27, 46.899, 138.526**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 44.355, 333.334**, and **3, 15.836, 329.386** is the 20% darker color. If you saturate the color by 10%, you get **15, 44.213, 332.990**, and if you desaturate by 10%, it is **16, 41.733, 332.521**.

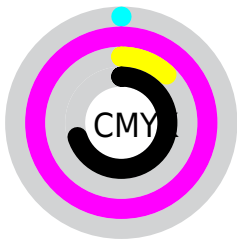
Distribution



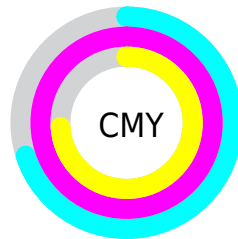
- Red (30%)
- Green (0%)
- Blue (26%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (12%)
- Black (70%)





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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 44.678, 332.978 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, 44.678, 332.978 by changing the saturation by 10% instead.

 15, 44.678,
332.978


 15, 44.678,
332.978

 100, 44.678,
332.978

 5, 44.678, 332.978


 35, 44.678,
332.978

 0, 44.678, 332.978

 45, 44.678,
332.978


 55, 44.678,
332.978


 65, 44.678,
332.978


 75, 44.678,
332.978


 85, 44.678,


332.978


 95, 44.678,
332.978


 15, 44.678,
332.978


 15, 44.678,
332.978


 15, 44.213,
332.990

 16, 41.733,
332.521

 17, 39.191,
332.027

 18, 35.792,
331.524

 20, 31.630,
331.007

 21, 26.892,
330.479

■ 23, 21.762,
329.940

■ 25, 16.398,
329.396

■ 28, 10.927,
328.852

■ 30, 5.440, 328.305

Harmonies

Complementary

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



15, 44.678, 332.978



27, 46.899, 138.526

Rectangle

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



15, 44.678, 332.978



15, 44.678, 22.978



15, 44.678, 152.978



15, 44.678, 202.978

Sweetspot

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



15, 44.213, 332.990



34, 20.518, 329.459



5, 53.227, 306.190



15, 14.104, 329.585



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, 44.213, 332.990



22, 53.114, 333.196



13, 35.123, 7.774



14, 3.055, 328.231



22, 54.053, 333.214



53, 97.208, 333.621

Inverse Universe

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



15, 44.213, 332.990



22, 53.114, 333.196



28, 31.187, 158.246



14, 3.055, 328.231



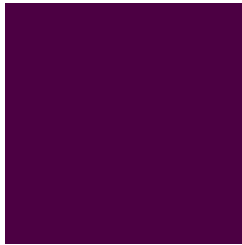
22, 54.053, 333.214



53, 97.208, 333.621

Previews

White Background



This preview shows how the CIE LCh color 15, 44.678, 332.978 looks on a white background.

Color Contrast Check

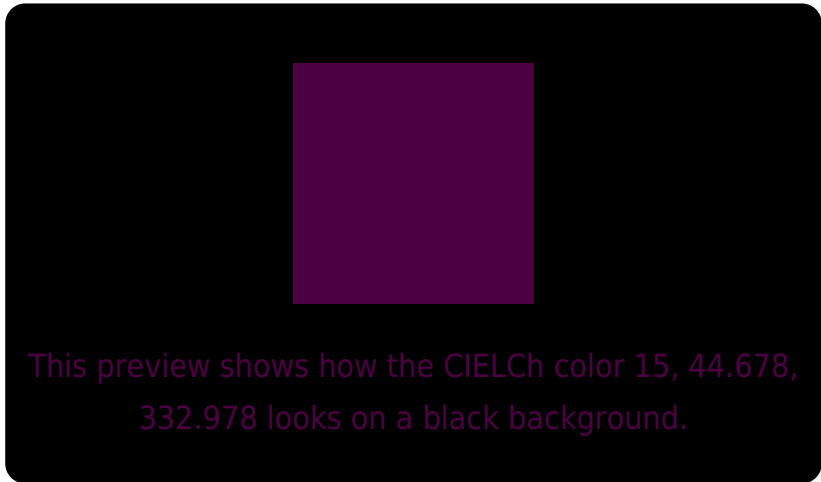
Large Text (above 18pt) WCAG AA ✓ Pass

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

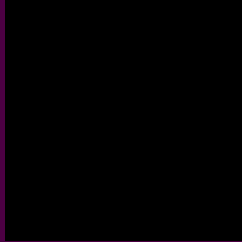
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 44.678, 332.978

Background



This preview shows how black text looks on a background with the CIELCh color 15, 44.678, 332.978.



This preview shows how white text looks on a background with the CIELCh color 15, 44.678, 332.978.

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, 44.244, 333.037

Protanopia

17, 32.326, 283.059

Deuteranopia

17, 14.827, 280.633



Tritanopia
17, 24.242, 23.668

Trichromacy



Original Color
15, 44.244, 333.037

Protanomaly
13, 38.263, 300.605

Deuteranomaly
14, 27.277, 314.555

Tritanomaly
15, 28.888, 356.232

Monochromacy



Original Color
15, 44.244, 333.037

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, 44.678, 332.978 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, 67)` looks like.

```
.text, #text, p{  
    color:rgb(76, 0, 67)  
}
```

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, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 0, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 44.678, 332.978 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, 67) }
```

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

```
.border{ border-color:rgb(76, 0, 67) }
```

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, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 0, 67); -webkit-box-shadow:4px  
4px 4px 4px rgb(76, 0, 67); box-shadow:4px  
4px 4px 4px rgb(76, 0, 67) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 44.678, 332.978 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, 67) }
```

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

```
.background{ background-color: rgb(76, 0,  
67) }
```

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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