

Converting Colors

CIELCh(0, 102.756, 331.685)

Have a look what the booklet for
CIELCh(0, 102.756, 331.685)
contains.

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Color

CIELCh(15, 46.374, 329.727)

Conversions

Conversions Part 1

Format	Color
Hex	4A0047
RGB	74, 0, 71
RGB Percent	29%, 0%, 28%
CMY	0.7088, 1.0000, 0.7204
CMYK	0.00, 1.00, 0.04, 0.71
HSL	302°, 100%, 15%
HSV	302°, 100%, 29%
XYZ	3.9830, 1.9086, 6.1716
YIQ	30.2200, 21.3130, 37.7690

Conversions

Conversions Part 2

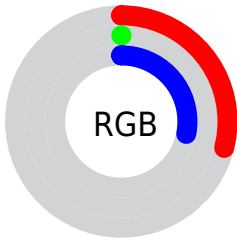
Format	Color
R_{YB}	74, 0, 71
Decimal	4849735
CIE _{Lab}	15.00, 40.05, -23.38
CIE _{LCh}	15, 46.374, 329.727
Yxy	1.9086, 0.3302, 0.1582
Android (android.graphics.Color)	4283039815 (0xFF4A0047)
YUV	30.2200, 20.1045, 38.3951
Hunter-Lab	13.8151, 27.2861, -16.8160

Details

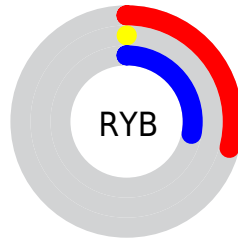
The CIELCh color **15, 46.374, 329.727** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **27, 48.051, 136.926**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 46.163, 329.871**, and **2, 16.853, 319.908** is the 20% darker color. If you saturate the color by 10%, you get **15, 46.076, 329.714**, and if you desaturate by 10%, it is **16, 43.391, 329.434**.

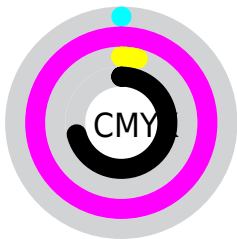
Distribution



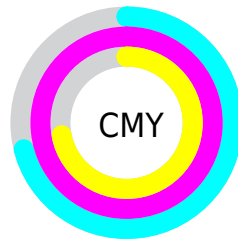
- Red (29%)
- Green (0%)
- Blue (28%)



- Red (29%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (100%)
- Yellow (4%)
- Black (71%)





- Cyan (71%)
- Magenta (100%)
- Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 46.374, 329.727 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, 46.374, 329.727 by changing the saturation by 10% instead.

 15, 46.374,
329.727


 15, 46.374,
329.727

 100, 46.374,
329.727

 5, 46.374, 329.727


 35, 46.374,
329.727

 0, 46.374, 329.727

 45, 46.374,
329.727


 55, 46.374,
329.727


 65, 46.374,
329.727


 75, 46.374,
329.727


 85, 46.374,


329.727


 95, 46.374,
329.727

 15, 46.374,
329.727


 15, 46.374,
329.727

 15, 46.076,
329.714

 16, 43.391,
329.434

 17, 40.656,
329.141

 18, 37.086,
328.797

 19, 32.757,
328.404

 21, 27.849,
327.969

■ 23, 22.541,
327.502

■ 25, 16.991,
327.013

■ 27, 11.326,
326.510

■ 29, 5.641, 325.996

Harmonies

Complementary

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



15, 46.374, 329.727



27, 48.051, 136.926

Rectangle

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



15, 46.374, 329.727



15, 46.374, 19.727



15, 46.374, 149.727



15, 46.374, 199.727

Sweetspot

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



15, 46.076, 329.714



33, 21.176, 327.070



5, 52.184, 304.895



15, 14.242, 327.171



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, 46.076, 329.714



21, 55.248, 329.774



13, 34.866, 0.361



14, 3.224, 325.927



23, 57.260, 329.784



54, 103.401, 329.901

Inverse Universe

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



15, 46.076, 329.714



21, 55.248, 329.774



27, 33.565, 153.406



14, 3.224, 325.927



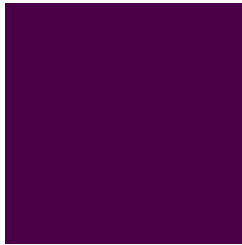
23, 57.260, 329.784



54, 103.401, 329.901

Previews

White Background



This preview shows how the CIE LCh color 15, 46.374, 329.727 looks on a white background.

Color Contrast Check

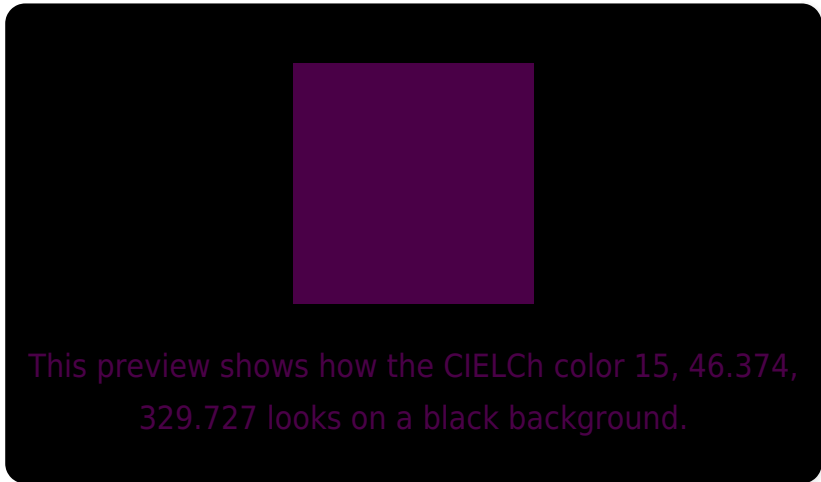
Large Text (above 18pt) WCAG AA ✓ Pass

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

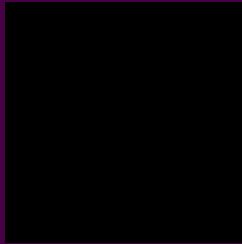
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 46.374, 329.727

Background



This preview shows how black text looks on a background with the CIELCh color 15, 46.374, 329.727.



This preview shows how white text looks on a background with the CIELCh color 15, 46.374, 329.727.

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, 45.942, 329.745

Protanopia

17, 31.692, 282.456

Deuteranopia

17, 17.784, 278.667



Tritanopia
17, 22.048, 22.447

Trichromacy



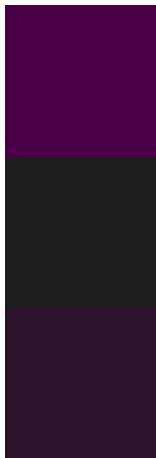
Original Color
15, 45.942, 329.745

Protanomaly
13, 38.942, 300.338

Deuteranomaly
14, 30.245, 309.674

Tritanomaly
15, 28.698, 352.042

Monochromacy



Original Color
15, 45.942, 329.745

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 21.786, 328.042

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 46.374, 329.727 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(74, 0, 71)` looks like.

```
.text, #text, p{  
    color:rgb(74, 0, 71)  
}
```

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(74, 0, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 0, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 46.374, 329.727 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(74, 0, 71) }
```

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

```
.border{ border-color:rgb(74, 0, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 0, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 0, 71); -webkit-box-shadow:4px  
4px 4px 4px rgb(74, 0, 71); box-shadow:4px  
4px 4px 4px rgb(74, 0, 71) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 46.374, 329.727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 0, 71) }
```

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

```
.background{ background-color: rgb(74, 0,  
71) }
```

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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