

Converting Colors

CIELCh(1, 84.336, 346.166)

Have a look what the booklet for
CIELCh(1, 84.336, 346.166) contains.

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Color

CIELCh(15, 36.872, 1.827)

Conversions

Conversions Part 1

Format	Color
Hex	510025
RGB	81, 0, 37
RGB Percent	32%, 0%, 15%
CMY	0.6809, 0.9986, 0.8538
CMYK	0.00, 1.00, 0.54, 0.68
HSL	333°, 99%, 16%
HSV	333°, 100%, 32%
XYZ	3.7671, 1.9086, 1.9440
YIQ	28.4370, 36.3990, 28.6790

Conversions

Conversions Part 2

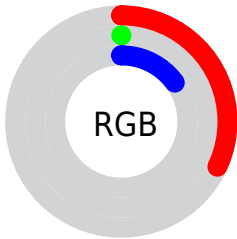
Format	Color
R_{YB}	81, 0, 37
Decimal	5308453
CIE _{Lab}	15.00, 36.85, 1.18
CIE _{LCh}	15, 36.872, 1.827
Yxy	1.9086, 0.4944, 0.2505
Android (android.graphics.Color)	4283498533 (0xFF510025)
YUV	28.4370, 4.2216, 46.0978
Hunter-Lab	13.8151, 24.4962, 1.3276

Details

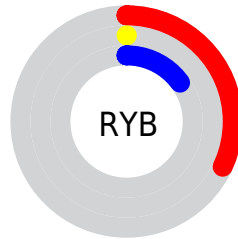
The CIELCh color **15, 36.872, 1.827** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **30, 35.436, 153.708**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 36.596, 2.051**, and **2, 10.621, 17.229** is the 20% darker color. If you saturate the color by 10%, you get **15, 36.978, 1.937**, and if you desaturate by 10%, it is **16, 34.622, 359.184**.

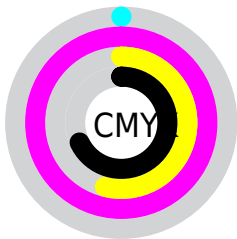
Distribution



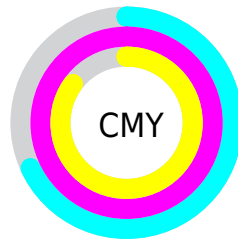
- Red (32%)
- Green (0%)
- Blue (15%)



- Red (32%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (54%)
- Black (68%)




- Cyan (68%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 36.872, 1.827 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, 36.872, 1.827 by changing the saturation by 10% instead.

 15, 36.872, 1.827  15, 36.872, 1.827

 100, 36.872, 1.827  5, 36.872, 1.827

 35, 36.872, 1.827  0, 36.872, 1.827

 45, 36.872, 1.827

 55, 36.872, 1.827

 65, 36.872, 1.827

 75, 36.872, 1.827

 85, 36.872, 1.827

 95, 36.872, 1.827

 15, 36.872, 1.827  15, 36.872, 1.827

■ 15, 36.978, 1.937

■ 16, 34.622,
359.184

■ 17, 32.349,
356.496

■ 19, 29.326,
354.313

■ 21, 25.690,
352.527

■ 23, 21.629,
351.039

■ 25, 17.316,
349.771

■ 27, 12.893,
348.669

■ 30, 8.460, 347.692

■ 32, 4.088, 346.797

Harmonies

Complementary

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



15, 36.872, 1.827



30, 35.436, 153.708

Rectangle

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



15, 36.872, 1.827



15, 36.872, 51.827



15, 36.872, 181.827



15, 36.872, 231.827

Sweetspot

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



15, 36.870, 1.828



35, 16.111, 348.821



10, 53.391, 313.634



16, 11.095, 349.081



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



15, 36.870, 1.828



21, 43.910, 3.543



15, 40.698, 33.640



15, 2.393, 346.724



50, 78.612, 7.008

Inverse Universe

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



15, 36.870, 1.828



21, 43.910, 3.543



30, 20.925, 201.304



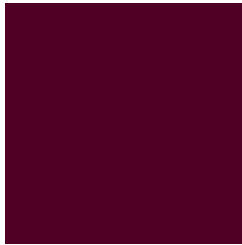
15, 2.393, 346.724



50, 78.612, 7.008

Previews

White Background



This preview shows how the CIE LCh color 15, 36.872, 1.827 looks on a white background.

Color Contrast Check

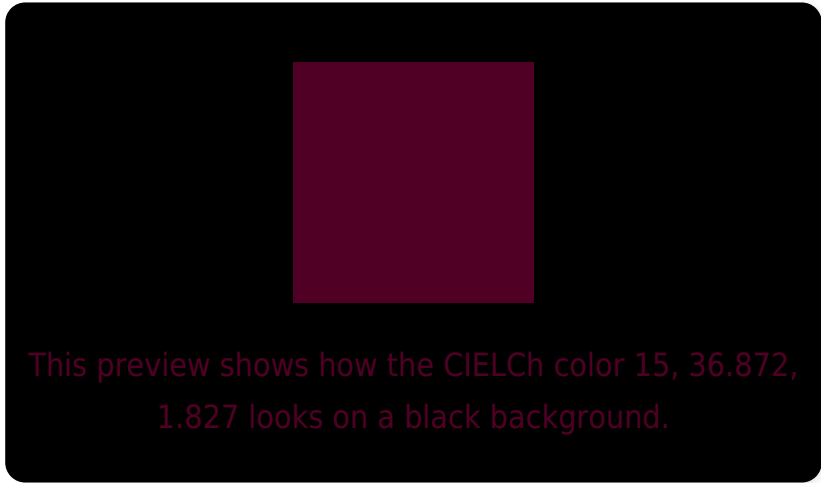
Large Text (above 18pt) WCAG AA ✓ Pass

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

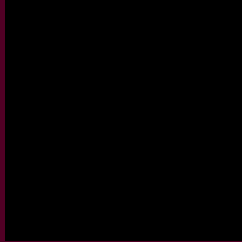
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 36.872, 1.827

Background



This preview shows how black text looks on a background with the CIELCh color 15, 36.872, 1.827.



This preview shows how white text looks on a background with the CIELCh color 15, 36.872, 1.827.

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, 36.872, 1.827

Protanopia

17, 8.400, 283.556

Deuteranopia

17, 6.277, 61.321



Tritanopia
16, 34.794, 30.975

Trichromacy



Original Color
15, 36.872, 1.827

Protanomaly
14, 18.937, 334.184

Deuteranomaly
15, 18.403, 5.823

Tritanomaly
15, 34.339, 20.789

Monochromacy



Original Color
15, 36.872, 1.827

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 16.811, 352.285

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 36.872, 1.827 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(81, 0, 37)` looks like.

```
.text, #text, p{  
    color:rgb(81, 0, 37)  
}
```

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(81, 0, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 0, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 36.872, 1.827 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(81, 0, 37) }
```

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

```
.border{ border-color:rgb(81, 0, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 0, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 0, 37); -webkit-box-shadow:4px  
4px 4px 4px rgb(81, 0, 37); box-shadow:4px  
4px 4px 4px rgb(81, 0, 37) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 36.872, 1.827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 0, 37) }
```

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

```
.background{ background-color: rgb(81, 0,  
37) }
```

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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