

Converting Colors

CIELCh(15, 37.274, 356.699)

Have a look what the booklet for
CIELCh(15, 37.274, 356.699)
contains.

CIELCh(15, 37.400, 356.570)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	19
<i>Color Blindness Simulation</i>	22
<i>CSS Examples</i>	25

Color

CIELCh(15, 37.400, 356.570)

Conversions

Conversions Part 1

Format	Color
Hex	51002A
RGB	81, 0, 42
RGB Percent	32%, 0%, 16%
CMY	0.6828, 1.0000, 0.8356
CMYK	0.00, 1.00, 0.48, 0.68
HSL	329°, 100%, 16%
HSV	329°, 100%, 32%
XYZ	3.7990, 1.9086, 2.3502
YIQ	29.0070, 34.7940, 30.2340

Conversions

Conversions Part 2

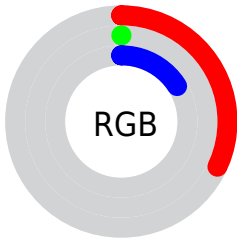
Format	Color
R_{YB}	81, 0, 42
Decimal	5308458
CIE _{Lab}	15.00, 37.33, -2.24
CIE _{LCh}	15, 37.400, 356.570
Yxy	1.9086, 0.4715, 0.2369
Android (android.graphics.Color)	4283498538 (0xFF51002A)
YUV	29.0070, 6.4055, 45.5979
Hunter-Lab	13.8151, 24.9082, -0.4157

Details

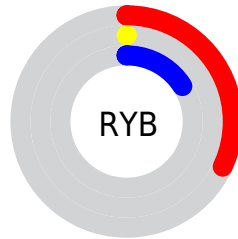
The CIELCh color **15, 37.400, 356.570** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **29, 37.696, 150.432**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 37.396, 356.535**, and **2, 11.236, 17.348** is the 20% darker color. If you saturate the color by 10%, you get **15, 37.361, 356.595**, and if you desaturate by 10%, it is **16, 35.231, 354.353**.

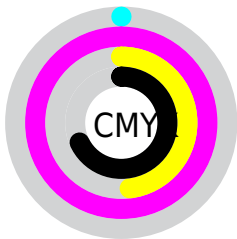
Distribution



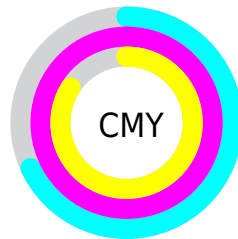
- Red (32%)
- Green (0%)
- Blue (16%)



- Red (32%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (48%)
- Black (68%)



- Cyan (68%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 37.400, 356.570 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, 37.400, 356.570 by changing the saturation by 10% instead.

■ 15, 37.400,
356.570

■ 15, 37.400,
356.570

■ 100, 37.400,
356.570

■ 5, 37.400, 356.570

■ 35, 37.400,
356.570

■ 0, 37.400, 356.570

■ 45, 37.400,
356.570


■ 55, 37.400,
356.570


■ 65, 37.400,
356.570


■ 75, 37.400,
356.570


■ 85, 37.400,


356.570


 95, 37.400,
356.570


 15, 37.400,
356.570


 15, 37.400,
356.570


 15, 37.361,
356.595

 16, 35.231,
354.353

 17, 33.081,
352.053

 19, 30.133,
350.163

 20, 26.517,
348.599

 22, 22.427,
347.277

■ 25, 18.046,
346.135

■ 27, 13.520,
345.128

■ 29, 8.958, 344.222

■ 32, 4.437, 343.386

Harmonies

Complementary

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



15, 37.400, 356.570



29, 37.696, 150.432

Rectangle

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



15, 37.400, 356.570



15, 37.400, 46.570



15, 37.400, 176.570



15, 37.400, 226.570

Sweetspot

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



15, 37.361, 356.595



35, 16.720, 345.227



9, 54.096, 312.150



16, 11.507, 345.465



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, 37.361, 356.595



21, 44.431, 357.990



14, 40.716, 30.991



15, 2.494, 343.281



50, 79.067, 0.950

Inverse Universe

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



15, 37.361, 356.595



21, 44.431, 357.990



30, 22.307, 191.803



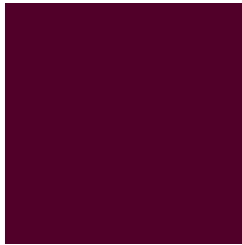
15, 2.494, 343.281



50, 79.067, 0.950

Previews

White Background



This preview shows how the CIELCh color 15, 37.400, 356.570 looks on a white background.

Color Contrast Check

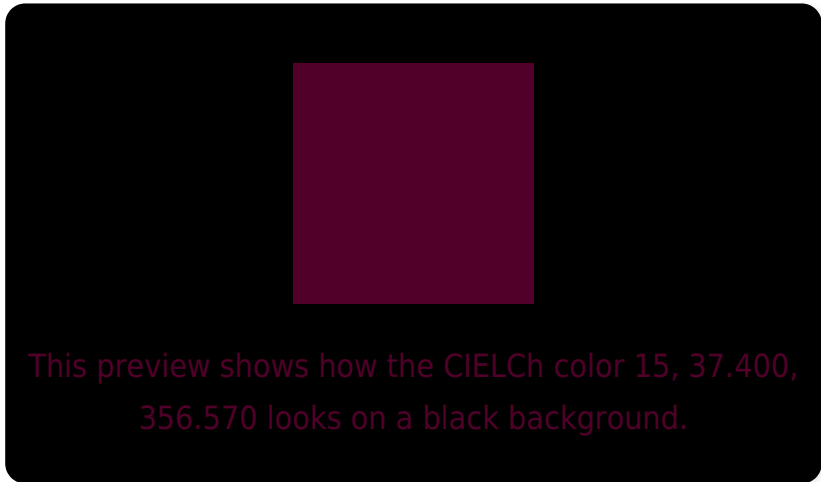
Large Text (above 18pt) WCAG AA ✓ Pass

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, 37.400, 356.570

Background



This preview shows how black text looks on a background with the CIELCh color 15, 37.400, 356.570.



This preview shows how white text looks on a background with the CIELCh color 15, 37.400, 356.570.

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, 37.400, 356.570

Protanopia

17, 12.636, 282.496

Deuteranopia

17, 3.753, 41.618



Tritanopia
16, 33.812, 30.594

Trichromacy



Original Color
15, 37.400, 356.570

Protanomaly
14, 21.094, 325.506

Deuteranomaly
15, 18.742, 354.562

Tritanomaly
16, 33.582, 17.766

Monochromacy



Original Color
15, 37.400, 356.570

Achromatopsia
11, 0.003, 296.813

Achromatomaly
10, 18.100, 347.230

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 37.400, 356.570 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, 42)` looks like.

```
.text, #text, p{  
    color:rgb(81, 0, 42)  
}
```

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, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 0, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 37.400, 356.570 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, 42) }
```

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

```
.border{ border-color:rgb(81, 0, 42) }
```

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, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 0, 42); -webkit-box-shadow:4px  
4px 4px 4px rgb(81, 0, 42); box-shadow:4px  
4px 4px 4px rgb(81, 0, 42) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 37.400, 356.570 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, 42) }
```

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

```
.background{ background-color: rgb(81, 0,  
42) }
```

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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