

Converting Colors

CIELCh(12, 46.304, 355.853)

Have a look what the booklet for
CIELCh(12, 46.304, 355.853)
contains.

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Color

CIELCh(15, 37.147, 2.399)

Conversions

Conversions Part 1

Format	Color
Hex	520025
RGB	82, 0, 37
RGB Percent	32%, 0%, 15%
CMY	0.6795, 1.0000, 0.8557
CMYK	0.00, 1.00, 0.55, 0.68
HSL	333°, 100%, 16%
HSV	333°, 100%, 32%
XYZ	3.7844, 1.9086, 1.9020
YIQ	28.7360, 36.9950, 28.8910

Conversions

Conversions Part 2

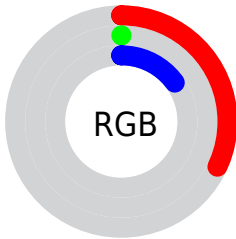
Format	Color
RYB	82, 0, 37
Decimal	5373989
CIELab	15.00, 37.11, 1.55
CIElCh	15, 37.147, 2.399
Yxy	1.9086, 0.4983, 0.2513
Android (android.graphics.Color)	4283564069 (0xFF520025)
YUV	28.7360, 4.0742, 46.7125
Hunter-Lab	13.8151, 24.7202, 1.5079

Details

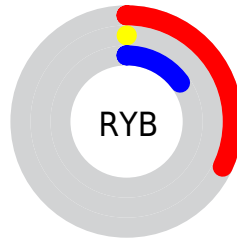
The CIELCh color **15, 37.147, 2.399** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **30, 35.455, 153.948**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 37.328, 2.815**, and **3, 11.872, 17.458** is the 20% darker color. If you saturate the color by 10%, you get **15, 37.061, 2.472**, and if you desaturate by 10%, it is **16, 34.783, 359.798**.

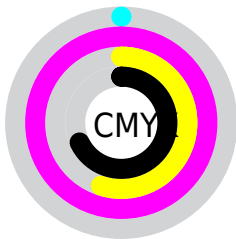
Distribution



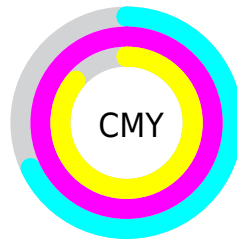
- Red (32%)
- Green (0%)
- Blue (15%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (55%)
- Black (68%)



- Cyan (68%)
- Magenta (100%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 37.147, 2.399 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, 37.147, 2.399 by changing the saturation by 10% instead.

 15, 37.147, 2.399  15, 37.147, 2.399

 100, 37.147, 2.399  5, 37.147, 2.399

 35, 37.147, 2.399  0, 37.147, 2.399

 45, 37.147, 2.399

 55, 37.147, 2.399

 65, 37.147, 2.399

 75, 37.147, 2.399

 85, 37.147, 2.399

 95, 37.147, 2.399

 15, 37.147, 2.399  15, 37.147, 2.399

■ 15, 37.061, 2.472

■ 16, 34.783,
359.798

■ 17, 32.521,
357.051

■ 19, 29.516,
354.815

■ 21, 25.891,
352.990

■ 23, 21.834,
351.472

■ 25, 17.522,
350.182

■ 27, 13.095,
349.064

■ 30, 8.657, 348.074

■ 32, 4.279, 347.171

Harmonies

Complementary

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



15, 37.147, 2.399



30, 35.455, 153.948

Rectangle

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



15, 37.147, 2.399



15, 37.147, 52.399



15, 37.147, 182.399



15, 37.147, 232.399

Sweetspot

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



15, 37.061, 2.472



36, 16.381, 349.177



10, 53.778, 313.644



16, 11.059, 349.430



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, 37.061, 2.472



21, 44.634, 4.210



15, 41.003, 33.732



15, 2.384, 347.057



21, 43.886, 4.068



50, 78.623, 7.576

Inverse Universe

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



15, 37.061, 2.472



21, 44.634, 4.210



30, 21.024, 201.317



15, 2.384, 347.057



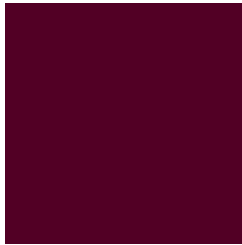
21, 43.886, 4.068



50, 78.623, 7.576

Previews

White Background



This preview shows how the CIE LCh color 15, 37.147, 2.399 looks on a white background.

Color Contrast Check

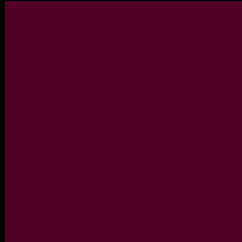
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 15, 37.147, 2.399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

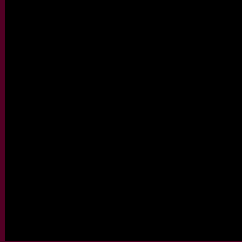
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 37.147, 2.399

Background



This preview shows how black text looks on a background with the CIELCh color 15, 37.147, 2.399.



This preview shows how white text looks on a background with the CIELCh color 15, 37.147, 2.399.

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, 37.147, 2.399

Protanopia

17, 7.718, 282.520

Deuteranopia

17, 6.958, 72.058



Tritanopia
16, 35.494, 31.858

Trichromacy



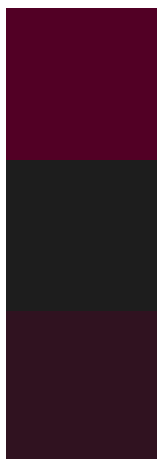
Original Color
15, 37.147, 2.399

Protanomaly
14, 18.741, 336.932

Deuteranomaly
15, 18.342, 7.980

Tritanomaly
16, 34.967, 22.223

Monochromacy



Original Color
15, 37.147, 2.399

Achromatopsia
11, 0.003, 296.813

Achromatomaly
10, 17.497, 351.376

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 37.147, 2.399 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(82, 0, 37)` looks like.

```
.text, #text, p{  
    color:rgb(82, 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(82, 0, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 0, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 37.147, 2.399 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(82, 0, 37) }
```

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

```
.border{ border-color:rgb(82, 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(82, 0, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 0, 37); -webkit-box-shadow:4px  
4px 4px 4px rgb(82, 0, 37); box-shadow:4px  
4px 4px 4px rgb(82, 0, 37) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 37.147, 2.399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 0, 37) }
```

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

```
.background{ background-color: rgb(82, 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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