

Converting Colors

CIELCh(15, 37.843, 11.374)

Have a look what the booklet for
CIELCh(15, 37.843, 11.374) contains.

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Color

CIELCh(15, 37.499, 11.554)

Conversions

Conversions Part 1

Format	Color
Hex	53001D
RGB	83, 0, 29
RGB Percent	33%, 0%, 11%
CMY	0.6756, 1.0000, 0.8871
CMYK	0.00, 1.00, 0.65, 0.68
HSL	339°, 100%, 16%
HSV	339°, 100%, 32%
XYZ	3.7595, 1.9086, 1.3194
YIQ	28.1230, 40.1590, 26.6150

Conversions

Conversions Part 2

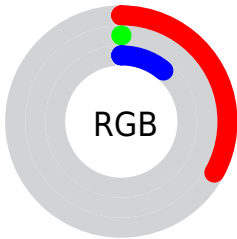
Format	Color
R_{YB}	83, 0, 29
Decimal	5439517
CIE Lab	15.00, 36.74, 7.51
CIE LCh	15, 37.499, 11.554
Yxy	1.9086, 0.5380, 0.2731
Android (android.graphics.Color)	4283629597 (0xFF53001D)
YUV	28.1230, 0.4324, 48.1271
Hunter-Lab	13.8151, 24.3985, 4.0082

Details

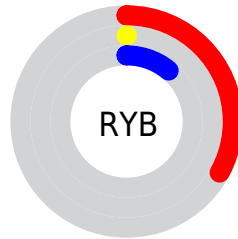
The CIELCh color **15, 37.499, 11.554** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **30, 31.968, 160.287**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 37.396, 11.584**, and **2, 11.236, 17.348** is the 20% darker color. If you saturate the color by 10%, you get **15, 37.420, 11.644**, and if you desaturate by 10%, it is **16, 34.748, 8.426**.

Distribution



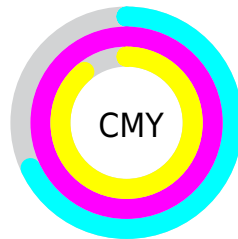
- Red (33%)
- Green (0%)
- Blue (11%)



- Red (33%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (68%)



- Cyan (68%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 37.499, 11.554 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, 37.499, 11.554 by changing the saturation by 10% instead.

 15, 37.499, 11.554

 15, 37.499, 11.554

 100, 37.499,
11.554

 5, 37.499, 11.554

 35, 37.499, 11.554

 0, 37.499, 11.554

 45, 37.499, 11.554

 55, 37.499, 11.554

 65, 37.499, 11.554

 75, 37.499, 11.554

 85, 37.499, 11.554

 95, 37.499, 11.554

■ 15, 37.499, 11.554

■ 15, 37.499, 11.554

■ 15, 37.420, 11.644

■ 16, 34.748, 8.426

■ 17, 32.162, 5.073

■ 19, 28.950, 2.353

■ 21, 25.218, 0.157

■ 23, 21.137,
358.361

■ 25, 16.870,
356.865

■ 27, 12.546,
355.595

■ 30, 8.257, 354.494

■ 33, 4.065, 353.507

Harmonies

Complementary

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



15, 37.499, 11.554



30, 31.968, 160.287

Rectangle

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



15, 37.499, 11.554



15, 37.499, 61.554



15, 37.499, 191.554



15, 37.499, 241.554

Sweetspot

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



15, 37.420, 11.644



36, 15.545, 355.717



12, 53.058, 316.679



16, 10.506, 356.001



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, 37.420, 11.644



21, 44.981, 13.623



16, 39.717, 38.207



15, 2.241, 353.383



20, 44.203, 13.454



49, 80.317, 17.553

Inverse Universe

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



15, 37.420, 11.644



21, 44.981, 13.623



27, 19.290, 222.083



15, 2.241, 353.383



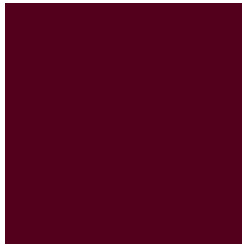
20, 44.203, 13.454



49, 80.317, 17.553

Previews

White Background



This preview shows how the CIE LCh color 15, 37.499, 11.554 looks on a white background.

Color Contrast Check

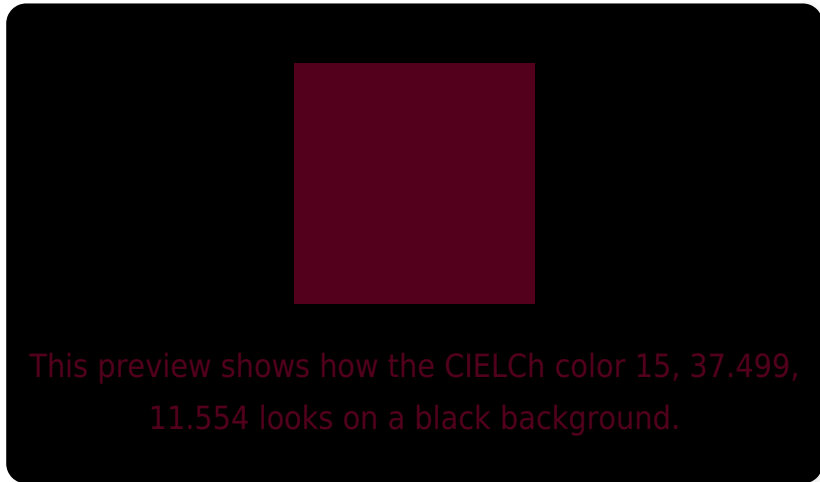
Large Text (above 18pt) WCAG AA ✓ Pass

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, 37.499, 11.554

Background



This preview shows how black text looks on a background with the CIELCh color 15, 37.499, 11.554.



This preview shows how white text looks on a background with the CIELCh color 15, 37.499, 11.554.

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, 37.499, 11.554

Protanopia

17, 0.480, 19.119

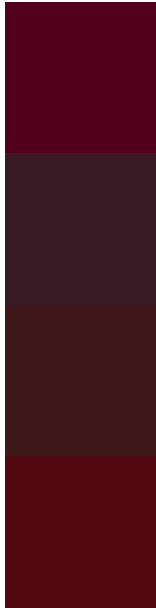
Deuteranopia

17, 12.082, 77.614



Tritanopia
16, 37.450, 32.864

Trichromacy



Original Color
15, 37.499, 11.554

Protanomaly
14, 16.230, 359.307

Deuteranomaly
15, 20.404, 23.826

Tritanomaly
16, 36.909, 26.398

Monochromacy



Original Color
15, 37.499, 11.554

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 16.641, 0.568

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 37.499, 11.554 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(83, 0, 29)` looks like.

```
.text, #text, p{  
    color:rgb(83, 0, 29)  
}
```

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(83, 0, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 0, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 37.499, 11.554 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(83, 0, 29) }
```

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

```
.border{ border-color:rgb(83, 0, 29) }
```

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

Here you see how a box with a 4 pixel rgb(83, 0, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 0, 29); -webkit-box-shadow:4px  
4px 4px 4px rgb(83, 0, 29); box-shadow:4px  
4px 4px 4px rgb(83, 0, 29) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 37.499, 11.554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 0, 29) }
```

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

```
.background{ background-color: rgb(83, 0,  
29) }
```

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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