

Converting Colors

CIELCh(15, 33.501, 42.575)

Have a look what the booklet for
CIELCh(15, 33.501, 42.575) contains.

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Color

CIELCh(15, 33.501, 42.575)

Conversions

Conversions Part 1

Format	Color
Hex	491300
RGB	73, 19, 0
RGB Percent	29%, 7%, 0%
CMY	0.7123, 0.9242, 0.9981
CMYK	0.00, 0.74, 0.99, 0.71
HSL	16°, 99%, 14%
HSV	16°, 99%, 29%
XYZ	3.0157, 1.9086, 0.2235
YIQ	32.9800, 38.2830, 5.5390

Conversions

Conversions Part 2

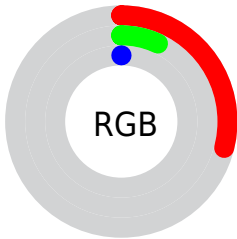
Format	Color
RYB	73, 26, 0
Decimal	4788992
CIELab	15.00, 24.67, 22.67
CIELCh	15, 33.501, 42.575
Yxy	1.9086, 0.5858, 0.3708
Android (android.graphics.Color)	4282979072 (0xFF491300)
YUV	32.9800, -16.2591, 35.0975
Hunter-Lab	13.8151, 14.7886, 8.7114

Details

The CIELCh color **15, 33.501, 42.575** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **21, 18.227, 242.651**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 33.429, 42.729**, and **0, 1.941, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **15, 33.689, 42.527**, and if you desaturate by 10%, it is **16, 30.603, 43.745**.

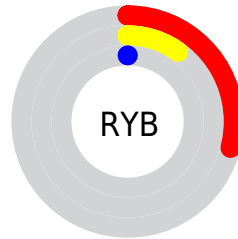
Distribution



Red (29%)

Green (7%)

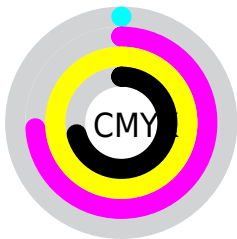
Blue (0%)



Red (29%)

Yellow (10%)

Blue (0%)

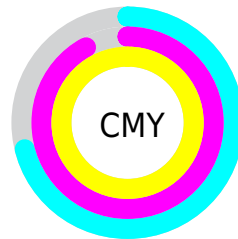


Cyan (0%)

Magenta (74%)

Yellow (99%)

Black (71%)



Cyan (71%)

Magenta (92%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 33.501, 42.575 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, 33.501, 42.575 by changing the saturation by 10% instead.

 15, 33.501, 42.575

 15, 33.501, 42.575

 100, 33.501,
42.575

 5, 33.501, 42.575

 35, 33.501, 42.575

 0, 33.501, 42.575

 45, 33.501, 42.575

 55, 33.501, 42.575

 65, 33.501, 42.575

 75, 33.501, 42.575

 85, 33.501, 42.575

 95, 33.501, 42.575

■ 15, 33.501, 42.575

■ 15, 33.501, 42.575

■ 15, 33.689, 42.527

■ 16, 30.603, 43.745

■ 17, 27.420, 45.221

■ 19, 23.440, 45.338

■ 20, 19.406, 45.165

■ 22, 15.577, 45.122

■ 24, 11.977, 45.206

■ 26, 8.613, 45.399

■ 28, 5.475, 45.675

■ 29, 2.551, 45.987

Harmonies

Complementary

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



15, 33.501, 42.575



21, 18.227, 242.651

Rectangle

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



15, 33.501, 42.575



15, 33.501, 92.575



15, 33.501, 222.575



15, 33.501, 272.575

Sweetspot

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



15, 33.500, 42.578



33, 10.923, 45.357



14, 39.334, 339.713



15, 7.574, 45.311



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, 33.500, 42.578



20, 43.111, 44.685



24, 33.302, 85.552



13, 1.485, 46.009



22, 45.286, 45.009



51, 88.874, 45.205

Inverse Universe

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



21, 18.227, 242.651



27, 21.926, 244.649



9, 40.160, 297.046



13, 1.422, 227.011



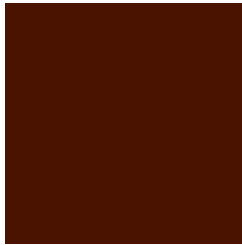
29, 22.786, 244.988



65, 42.496, 248.737

Previews

White Background



This preview shows how the CIE LCh color 15, 33.501, 42.575 looks on a white background.

Color Contrast Check

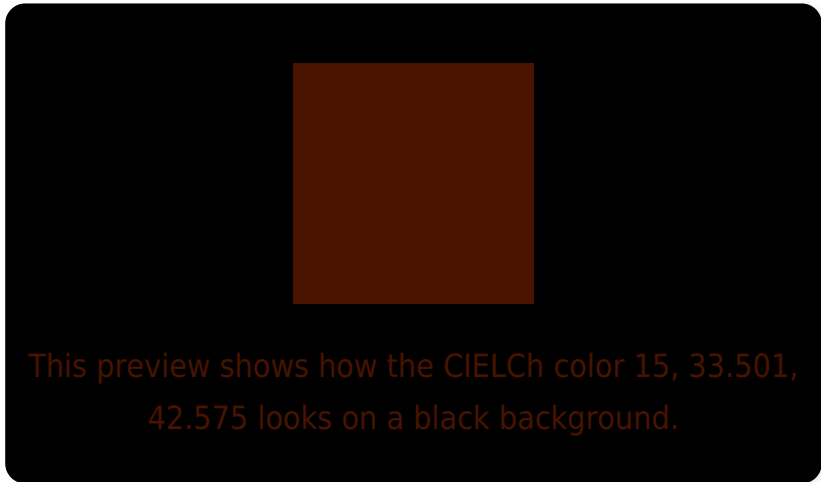
Large Text (above 18pt) WCAG AA ✓ Pass

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, 33.501, 42.575

Background



This preview shows how black text looks on a background with the CIELCh color 15, 33.501, 42.575.

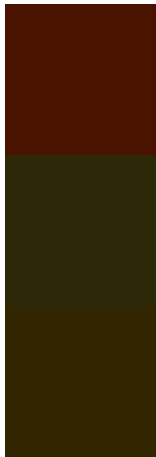


This preview shows how white text looks on a background with the CIELCh color 15, 33.501, 42.575.

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, 33.501, 42.575

Protanopia

16, 20.039, 97.043

Deuteranopia

16, 23.118, 87.339



Tritanopia
15, 30.125, 28.419

Trichromacy



Original Color
15, 33.501, 42.575

Protanomaly
15, 21.476, 67.129

Deuteranomaly
15, 24.371, 64.985

Tritanomaly
15, 31.703, 34.599

Monochromacy



Original Color
15, 33.501, 42.575

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 12.545, 45.121

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 33.501, 42.575 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(73, 19, 0)` looks like.

```
.text, #text, p{  
    color:rgb(73, 19, 0)  
}
```

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(73, 19, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 19, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 33.501, 42.575 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(73, 19, 0) }
```

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

```
.border{ border-color:rgb(73, 19, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 19, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 19, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(73, 19, 0); box-shadow:4px  
4px 4px 4px rgb(73, 19, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 33.501, 42.575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 19, 0) }
```

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

```
.background{ background-color: rgb(73, 19,  
0) }
```

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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