

Converting Colors

CIELCh(0, 87.134, 353.486)

Have a look what the booklet for
CIELCh(0, 87.134, 353.486) contains.

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Color

CIELCh(15, 38.421, 17.282)

Conversions

Conversions Part 1

Format	Color
Hex	530018
RGB	83, 0, 24
RGB Percent	33%, 0%, 9%
CMY	0.6730, 1.0000, 0.9076
CMYK	0.00, 1.00, 0.72, 0.67
HSL	343°, 100%, 16%
HSV	343°, 100%, 33%
XYZ	3.7560, 1.9086, 1.0108
YIQ	27.5530, 41.7640, 25.0600

Conversions

Conversions Part 2

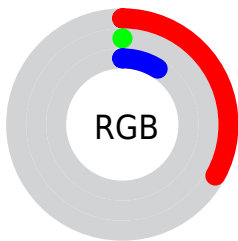
Format	Color
RYB	83, 0, 24
Decimal	5439512
CIELab	15.00, 36.69, 11.41
CIElCh	15, 38.421, 17.282
Yxy	1.9086, 0.5627, 0.2859
Android (android.graphics.Color)	4283629592 (0xFF530018)
YUV	27.5530, -1.7516, 48.6270
Hunter-Lab	13.8151, 24.3534, 5.3324

Details

The CIELCh color **15, 38.421, 17.282** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **31, 29.796, 165.173**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 38.147, 17.400**, and **2, 10.621, 17.229** is the 20% darker color. If you saturate the color by 10%, you get **15, 38.261, 17.492**, and if you desaturate by 10%, it is **16, 35.234, 14.049**.

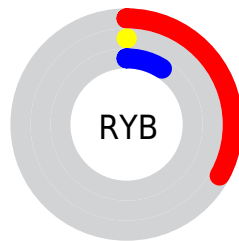
Distribution



Red (33%)

Green (0%)

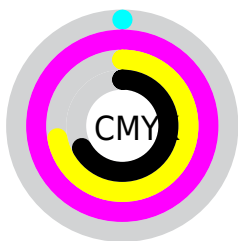
Blue (9%)



Red (33%)

Yellow (0%)

Blue (9%)

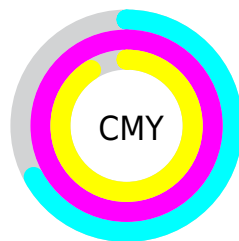


Cyan (0%)

Magenta (100%)

Yellow (72%)

Black (67%)



Cyan (67%)

Magenta (100%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 38.421, 17.282 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, 38.421, 17.282 by changing the saturation by 10% instead.

 15, 38.421, 17.282

 15, 38.421, 17.282

 100, 38.421,
17.282

 5, 38.421, 17.282

 35, 38.421, 17.282

 0, 38.421, 17.282

 45, 38.421, 17.282

 55, 38.421, 17.282

 65, 38.421, 17.282

 75, 38.421, 17.282

 85, 38.421, 17.282

 95, 38.421, 17.282

■ 15, 38.421, 17.282

■ 15, 38.421, 17.282

■ 15, 38.261, 17.492

■ 16, 35.234, 14.049

■ 17, 32.341, 10.404

■ 19, 28.911, 7.434

■ 21, 25.039, 5.041

■ 23, 20.883, 3.099

■ 25, 16.594, 1.498

■ 28, 12.292, 0.155

■ 30, 8.061, 359.005

■ 33, 3.955, 357.985

Harmonies

Complementary

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



15, 38.421, 17.282



31, 29.796, 165.173

Rectangle

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



15, 38.421, 17.282



15, 38.421, 67.282



15, 38.421, 197.282



15, 38.421, 247.282

Sweetspot

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



15, 38.261, 17.492



36, 15.433, 0.289



13, 52.761, 318.626



17, 10.651, 0.619



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



15, 38.261, 17.492



22, 46.754, 19.688



17, 38.976, 41.399



15, 2.166, 357.856



20, 45.132, 19.341



49, 82.827, 23.588

Inverse Universe

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



15, 38.261, 17.492



22, 46.754, 19.688



25, 19.489, 235.469



15, 2.166, 357.856



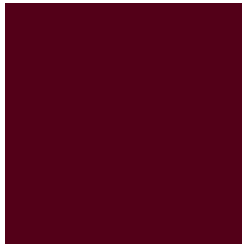
20, 45.132, 19.341



49, 82.827, 23.588

Previews

White Background



This preview shows how the CIE LCh color 15, 38.421, 17.282 looks on a white background.

Color Contrast Check

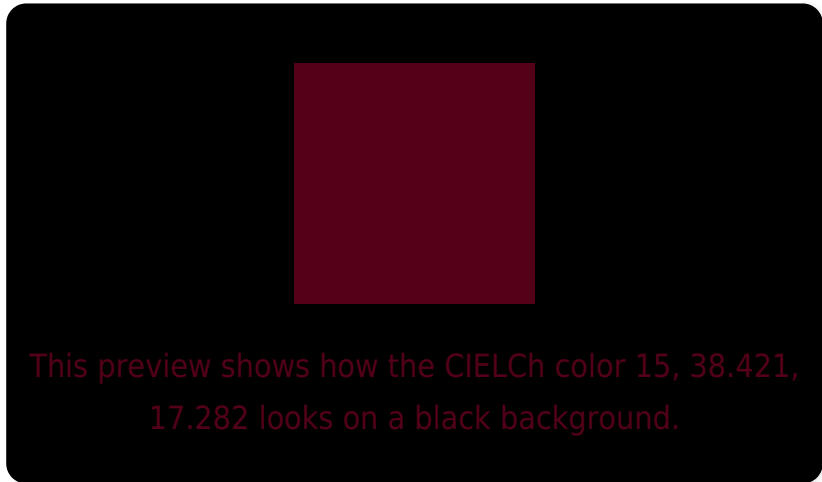
Large Text (above 18pt) WCAG AA ✓ Pass

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, 38.421, 17.282

Background



This preview shows how black text looks on a background with the CIELCh color 15, 38.421, 17.282.



This preview shows how white text looks on a background with the CIELCh color 15, 38.421, 17.282.

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, 38.049, 16.876

Protanopia

17, 5.073, 91.451

Deuteranopia

17, 16.006, 81.445



Tritanopia
16, 38.873, 33.662

Trichromacy



Original Color
15, 38.049, 16.876

Protanomaly
14, 16.803, 15.206

Deuteranomaly
14, 21.583, 32.711

Tritanomaly
15, 38.584, 28.679

Monochromacy



Original Color
15, 38.049, 16.876

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 16.411, 5.507

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 38.421, 17.282 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, 24)` looks like.

```
.text, #text, p{  
    color:rgb(83, 0, 24)  
}
```

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, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 0, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 38.421, 17.282 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, 24) }
```

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

```
.border{ border-color:rgb(83, 0, 24) }
```

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, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 0, 24); -webkit-box-shadow:4px  
4px 4px 4px rgb(83, 0, 24); box-shadow:4px  
4px 4px 4px rgb(83, 0, 24) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 38.421, 17.282 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, 24) }
```

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

```
.background{ background-color: rgb(83, 0,  
24) }
```

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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