

Converting Colors

CIELCh(15, 31.404, 18.035)

Have a look what the booklet for
CIELCh(15, 31.404, 18.035) contains.

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Color

CIELCh(15, 31.432, 18.420)

Conversions

Conversions Part 1

Format	Color
Hex	4C0D19
RGB	76, 13, 25
RGB Percent	30%, 5%, 10%
CMY	0.7012, 0.9482, 0.9014
CMYK	0.00, 0.83, 0.67, 0.70
HSL	349°, 70%, 18%
HSV	349°, 83%, 30%
XYZ	3.3199, 1.9086, 1.1216
YIQ	33.2050, 33.6960, 17.0880

Conversions

Conversions Part 2

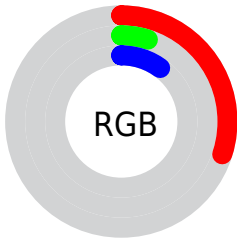
Format	Color
RYB	76, 13, 25
Decimal	4984089
CIELab	15.00, 29.82, 9.93
CIELCh	15, 31.432, 18.420
Yxy	1.9086, 0.5228, 0.3006
Android (android.graphics.Color)	4283174169 (0xFF4C0D19)
YUV	33.2050, -4.0451, 37.5312
Hunter-Lab	13.8151, 18.7183, 4.8572

Details

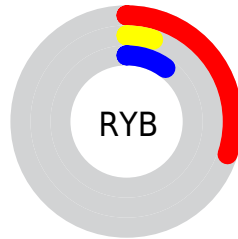
The CIELCh color **15, 31.432, 18.420** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **29, 22.533, 175.974**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 31.520, 17.741**, and **1, 5.949, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **14, 34.598, 21.781**, and if you desaturate by 10%, it is **16, 27.949, 15.186**.

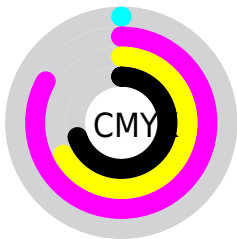
Distribution



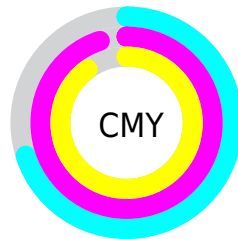
- Red (30%)
- Green (5%)
- Blue (10%)



- Red (30%)
- Yellow (5%)
- Blue (10%)



- Cyan (0%)
- Magenta (83%)
- Yellow (67%)
- Black (70%)



- Cyan (70%)
- Magenta (95%)
- Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 31.432, 18.420 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, 31.432, 18.420 by changing the saturation by 10% instead.

 15, 31.432, 18.420

 15, 31.432, 18.420

 100, 31.432,
18.420

 5, 31.432, 18.420

 35, 31.432, 18.420

 0, 31.432, 18.420

 45, 31.432, 18.420

 55, 31.432, 18.420

 65, 31.432, 18.420

 75, 31.432, 18.420

 85, 31.432, 18.420

 95, 31.432, 18.420

■ 15, 31.432, 18.420

■ 15, 31.432, 18.420

■ 14, 34.598, 21.781

■ 16, 27.949, 15.186

■ 13, 36.895, 22.920

■ 18, 24.159, 12.563

■ 20, 20.183, 10.444

■ 22, 16.144, 8.719

■ 24, 12.142, 7.296

■ 27, 8.247, 6.102

■ 29, 4.501, 5.072

■ 32, 0.925, 3.987

■ 34, 2.477, 183.615

Harmonies

Complementary

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



15, 31.432, 18.420



29, 22.533, 175.974

Rectangle

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



15, 31.432, 18.420



15, 31.432, 68.420



15, 31.432, 198.420



15, 31.432, 248.420

Sweetspot

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



15, 31.430, 18.422



34, 11.425, 6.473



15, 43.254, 321.369



16, 7.892, 6.698



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



15, 31.430, 18.422



19, 45.124, 26.259



18, 29.100, 48.235



14, 1.971, 4.684



20, 46.410, 26.808



48, 87.057, 31.040

Inverse Universe

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



15, 31.430, 18.422



19, 45.124, 26.259



22, 17.413, 245.142



14, 1.971, 4.684



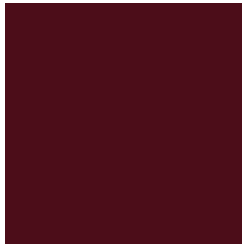
20, 46.410, 26.808



48, 87.057, 31.040

Previews

White Background



This preview shows how the CIE LCh color 15, 31.432, 18.420 looks on a white background.

Color Contrast Check

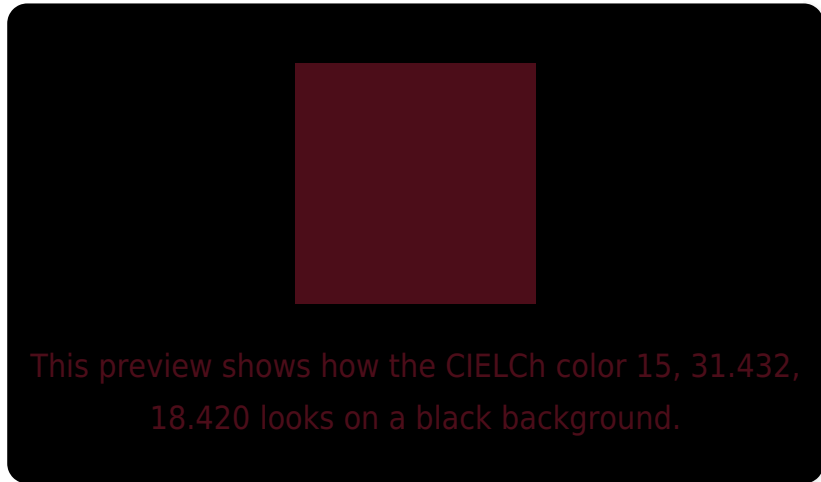
Large Text (above 18pt) WCAG AA ✓ Pass

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, 31.432, 18.420

Background



This preview shows how black text looks on a background with the CIELCh color 15, 31.432, 18.420.



This preview shows how white text looks on a background with the CIELCh color 15, 31.432, 18.420.

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, 31.432, 18.420

Protanopia

16, 3.624, 93.110

Deuteranopia

16, 12.794, 78.640



Tritanopia
15, 32.863, 30.332

Trichromacy



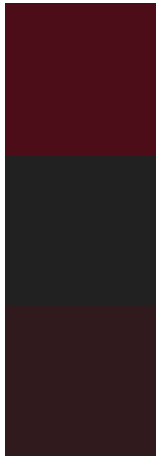
Original Color
15, 31.432, 18.420

Protanomaly
14, 12.629, 19.829

Deuteranomaly
15, 17.484, 37.252

Tritanomaly
15, 32.281, 26.022

Monochromacy



Original Color
15, 31.432, 18.420

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 12.263, 9.990

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 31.432, 18.420 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(76, 13, 25)` looks like.

```
.text, #text, p{  
    color:rgb(76, 13, 25)  
}
```

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(76, 13, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 13, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 31.432, 18.420 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(76, 13, 25) }
```

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

```
.border{ border-color:rgb(76, 13, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 13, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 13, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 13, 25);  
box-shadow:4px 4px 4px 4px rgb(76, 13, 25)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 31.432, 18.420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 13, 25) }
```

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

```
.background{ background-color: rgb(76, 13,  
25) }
```

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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