

Converting Colors

CIELCh(15, 35.141, 31.059)

Have a look what the booklet for
CIELCh(15, 35.141, 31.059) contains.

CIELCh(15, 35.171, 31.047)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	18
<i>Color Blindness Simulation</i>	21
<i>CSS Examples</i>	24

Color

CIELCh(15, 35.171, 31.047)

Conversions

Conversions Part 1

Format	Color
Hex	4E0C0C
RGB	78, 12, 12
RGB Percent	31%, 5%, 5%
CMY	0.6942, 0.9530, 0.9530
CMYK	0.00, 0.85, 0.85, 0.69
HSL	0°, 73%, 18%
HSV	0°, 85%, 31%
XYZ	3.3389, 1.9086, 0.5399
YIQ	31.7340, 39.3360, 13.9920

Conversions

Conversions Part 2

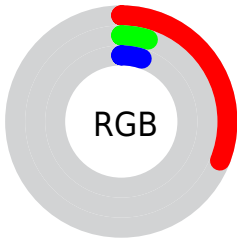
Format	Color
R_{YB}	78, 12, 12
Decimal	5114892
CIE _{Lab}	15.00, 30.13, 18.14
CIE _{LCh}	15, 35.171, 31.047
Yxy	1.9086, 0.5769, 0.3298
Android (android.graphics.Color)	4283304972 (0xFF4E0C0C)
YUV	31.7340, -9.7289, 40.5753
Hunter-Lab	13.8151, 18.9636, 7.3534

Details

The CIELCh color **15, 35.171, 31.047** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **30, 19.917, 196.575**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 35.034, 31.259**, and **1, 6.390, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **14, 38.202, 31.546**, and if you desaturate by 10%, it is **16, 31.336, 29.611**.

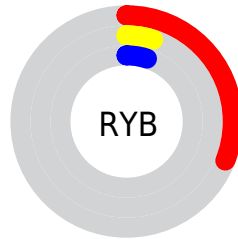
Distribution



Red (31%)

Green (5%)

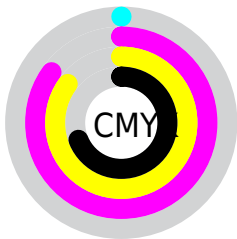
Blue (5%)



Red (31%)

Yellow (5%)

Blue (5%)

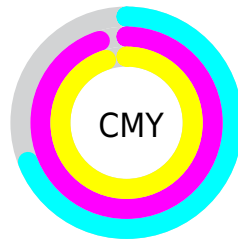


Cyan (0%)

Magenta (85%)

Yellow (85%)

Black (69%)



Cyan (69%)

Magenta (95%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 35.171, 31.047 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, 35.171, 31.047 by changing the saturation by 10% instead.

 15, 35.171, 31.047

 15, 35.171, 31.047

 100, 35.171,
31.047

 5, 35.171, 31.047

 35, 35.171, 31.047

 0, 35.171, 31.047

 45, 35.171, 31.047

 55, 35.171, 31.047

 65, 35.171, 31.047

 75, 35.171, 31.047

 85, 35.171, 31.047

 95, 35.171, 31.047

■ 15, 35.171, 31.047

■ 15, 35.171, 31.047

■ 14, 38.202, 31.546

■ 16, 31.336, 29.611

■ 13, 39.878, 31.626

■ 18, 26.727, 27.090

■ 20, 22.085, 25.011

■ 22, 17.545, 23.367

■ 24, 13.188, 22.075

■ 27, 9.064, 21.057

■ 29, 5.196, 20.240

■ 32, 1.586, 19.487

■ 35, 1.777, 199.319

Harmonies

Complementary

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



15, 35.171, 31.047



30, 19.917, 196.575

Rectangle

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



15, 35.171, 31.047



15, 35.171, 81.047



15, 35.171, 211.047



15, 35.171, 261.047

Sweetspot

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



15, 35.170, 31.050



35, 11.542, 21.177



18, 44.807, 327.937



16, 7.825, 21.351



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, 35.170, 31.050



19, 50.501, 35.962



22, 29.046, 65.365



14, 1.910, 19.806



48, 96.566, 40.001

Inverse Universe

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



30, 19.917, 196.575



39, 25.570, 196.397



18, 23.750, 274.121



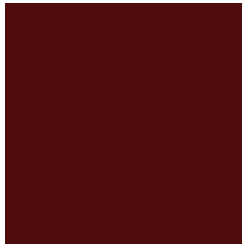
15, 1.819, 199.083



83, 46.272, 196.398

Previews

White Background



This preview shows how the CIELCh color 15, 35.171, 31.047 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

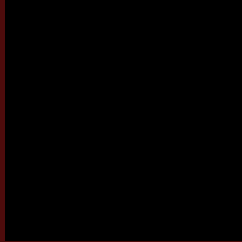
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 35.171, 31.047

Background



This preview shows how black text looks on a background with the CIELCh color 15, 35.171, 31.047.

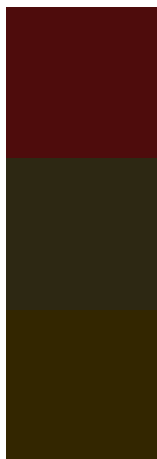


This preview shows how white text looks on a background with the CIELCh color 15, 35.171, 31.047.

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, 35.171, 31.047

Protanopia

16, 14.656, 95.321

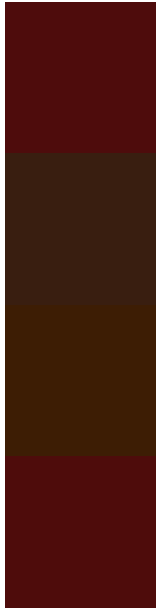
Deuteranopia

16, 23.344, 85.970



Tritanopia
15, 35.357, 31.674

Trichromacy



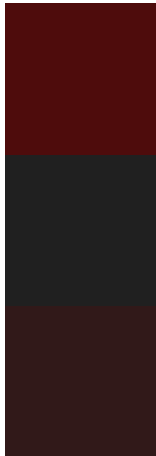
Original Color
15, 35.171, 31.047

Protanomaly
15, 18.770, 51.977

Deuteranomaly
15, 24.569, 56.791

Tritanomaly
15, 35.357, 31.674

Monochromacy



Original Color
15, 35.171, 31.047

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 13.062, 23.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 35.171, 31.047 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(78, 12, 12)` looks like.

```
.text, #text, p{  
    color:rgb(78, 12, 12)  
}
```


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(78, 12, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 12, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 35.171, 31.047 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(78, 12, 12) }
```

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

```
.border{ border-color:rgb(78, 12, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 12, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 12, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 12, 12);  
box-shadow:4px 4px 4px 4px rgb(78, 12, 12)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 35.171, 31.047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 12, 12) }
```

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

```
.background{ background-color: rgb(78, 12,  
12) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor