

Converting Colors

CIELCh(15, 34.455, 31.396)

Have a look what the booklet for
CIELCh(15, 34.455, 31.396) contains.

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Color

CIELCh(15, 34.457, 31.444)

Conversions

Conversions Part 1

Format	Color
Hex	4D0D0C
RGB	77, 13, 12
RGB Percent	30%, 5%, 5%
CMY	0.6971, 0.9480, 0.9519
CMYK	0.00, 0.83, 0.84, 0.70
HSL	1°, 73%, 18%
HSV	1°, 84%, 30%
XYZ	3.2941, 1.9086, 0.5514
YIQ	32.0220, 38.4650, 13.2570

Conversions

Conversions Part 2

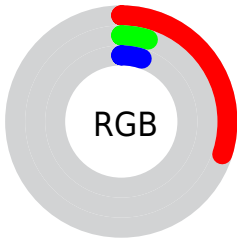
Format	Color
RYB	77, 13, 12
Decimal	5049612
CIELab	15.00, 29.40, 17.98
CIElCh	15, 34.457, 31.444
Yxy	1.9086, 0.5725, 0.3317
Android (android.graphics.Color)	4283239692 (0xFF4D0D0C)
YUV	32.0220, -9.8708, 39.4457
Hunter-Lab	13.8151, 18.3848, 7.3041

Details

The CIELCh color **15, 34.457, 31.444** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **29, 19.374, 198.496**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 34.564, 31.265**, and **1, 5.526, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **14, 37.467, 31.914**, and if you desaturate by 10%, it is **16, 30.579, 30.139**.

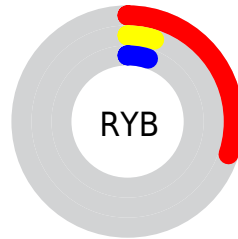
Distribution



Red (30%)

Green (5%)

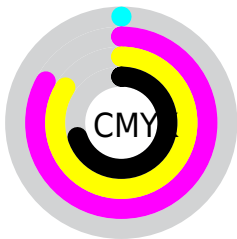
Blue (5%)



Red (30%)

Yellow (5%)

Blue (5%)

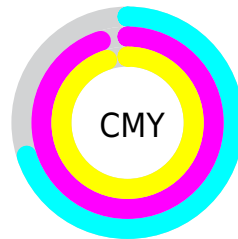


Cyan (0%)

Magenta (83%)

Yellow (84%)

Black (70%)



Cyan (70%)

Magenta (95%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 34.457, 31.444 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, 34.457, 31.444 by changing the saturation by 10% instead.

 15, 34.457, 31.444

 15, 34.457, 31.444

 100, 34.457,
31.444

 5, 34.457, 31.444

 35, 34.457, 31.444

 0, 34.457, 31.444

 45, 34.457, 31.444

 55, 34.457, 31.444

 65, 34.457, 31.444

 75, 34.457, 31.444

 85, 34.457, 31.444

 95, 34.457, 31.444

■ 15, 34.457, 31.444

■ 15, 34.457, 31.444

■ 14, 37.467, 31.914

■ 16, 30.579, 30.139

■ 13, 39.263, 32.023

■ 18, 25.991, 27.773

■ 20, 21.407, 25.832

■ 22, 16.947, 24.300

■ 24, 12.684, 23.098

■ 27, 8.659, 22.154

■ 29, 4.889, 21.398

■ 32, 1.374, 20.677

■ 34, 1.900, 200.573

Harmonies

Complementary

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



15, 34.457, 31.444



29, 19.374, 198.496

Rectangle

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



15, 34.457, 31.444



15, 34.457, 81.444



15, 34.457, 211.444



15, 34.457, 261.444

Sweetspot

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



15, 34.456, 31.447



34, 11.140, 22.306



17, 44.323, 327.924



16, 7.715, 22.477



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, 34.456, 31.447



19, 49.170, 36.051



22, 28.633, 65.463



14, 1.882, 21.029



19, 50.274, 36.374



48, 96.378, 40.120

Inverse Universe

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



29, 19.374, 198.496



37, 24.623, 198.607



18, 23.421, 273.882



15, 1.791, 200.386



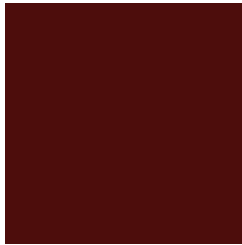
38, 25.063, 198.614



82, 45.290, 198.778

Previews

White Background



This preview shows how the CIE LCh color 15, 34.457, 31.444 looks on a white background.

Color Contrast Check

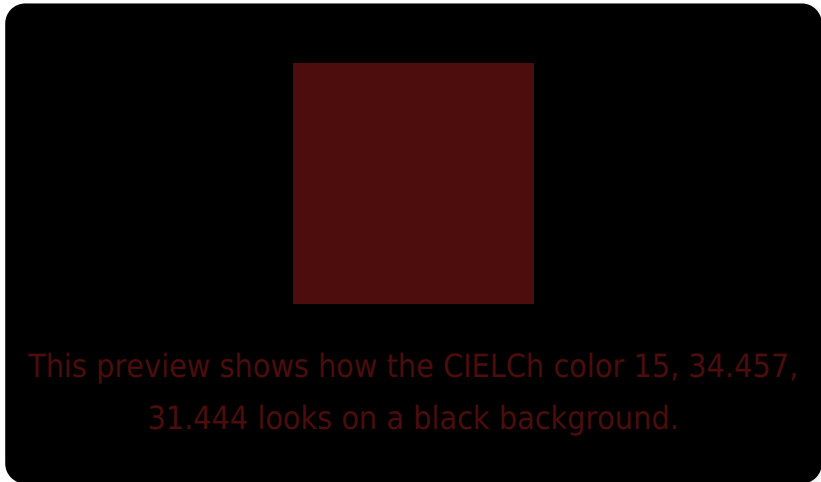
Large Text (above 18pt) WCAG AA ✓ Pass

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, 34.457, 31.444

Background



This preview shows how black text looks on a background with the CIELCh color 15, 34.457, 31.444.

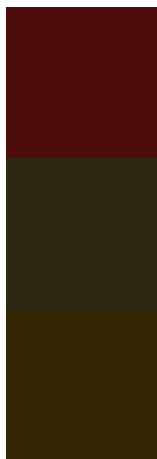


This preview shows how white text looks on a background with the CIELCh color 15, 34.457, 31.444.

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, 34.457, 31.444

Protanopia

16, 14.656, 95.321

Deuteranopia

16, 22.185, 85.174



Tritanopia
15, 34.264, 30.763

Trichromacy



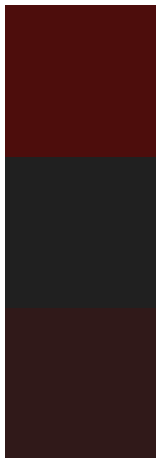
Original Color
15, 34.457, 31.444

Protanomaly
15, 18.399, 50.708

Deuteranomaly
15, 23.985, 55.525

Tritanomaly
15, 34.264, 30.763

Monochromacy



Original Color
15, 34.457, 31.444

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 12.513, 23.236

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 34.457, 31.444 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(77, 13, 12)` looks like.

```
.text, #text, p{  
    color:rgb(77, 13, 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(77, 13, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 13, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 34.457, 31.444 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(77, 13, 12) }
```

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

```
.border{ border-color:rgb(77, 13, 12) }
```

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

Here you see how a box with a 4 pixel rgb(77, 13, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 13, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 13, 12);  
box-shadow:4px 4px 4px 4px rgb(77, 13, 12)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 34.457, 31.444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 13, 12) }
```

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

```
.background{ background-color: rgb(77, 13,  
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](#).

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