

Converting Colors

CIELCh(15, 34.298, 30.808)

Have a look what the booklet for
CIELCh(15, 34.298, 30.808) contains.

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Color

CIELCh(15, 34.264, 30.763)

Conversions

Conversions Part 1

Format	Color
Hex	4D0D0D
RGB	77, 13, 13
RGB Percent	30%, 5%, 5%
CMY	0.6973, 0.9482, 0.9482
CMYK	0.00, 0.83, 0.83, 0.70
HSL	360°, 71%, 18%
HSV	360°, 83%, 30%
XYZ	3.2968, 1.9086, 0.5828
YIQ	32.1360, 38.1440, 13.5680

Conversions

Conversions Part 2

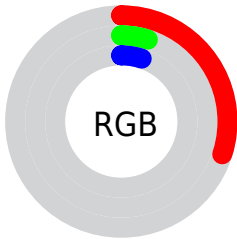
Format	Color
R_{YB}	77, 13, 13
Decimal	5049613
CIE _{Lab}	15.00, 29.44, 17.53
CIE _{LCh}	15, 34.264, 30.763
Yxy	1.9086, 0.5696, 0.3297
Android (android.graphics.Color)	4283239693 (0xFF4D0D0D)
YUV	32.1360, -9.4340, 39.3457
Hunter-Lab	13.8151, 18.4207, 7.1693

Details

The CIELCh color **15, 34.264, 30.763** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **29, 19.602, 196.572**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 34.331, 30.331**, and **1, 5.526, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **14, 37.320, 31.317**, and if you desaturate by 10%, it is **16, 30.290, 29.132**.

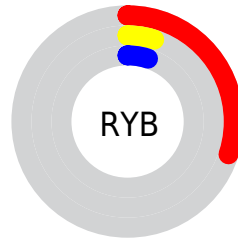
Distribution



Red (30%)

Green (5%)

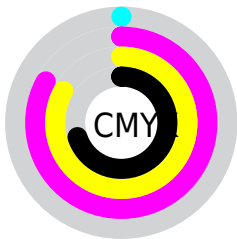
Blue (5%)



Red (30%)

Yellow (5%)

Blue (5%)

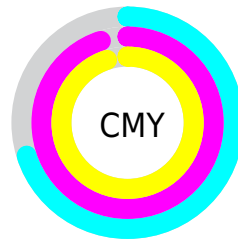


Cyan (0%)

Magenta (83%)

Yellow (83%)

Black (70%)



Cyan (70%)

Magenta (95%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 34.264, 30.763 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, 34.264, 30.763 by changing the saturation by 10% instead.

 15, 34.264, 30.763

 15, 34.264, 30.763

 100, 34.264,
30.763

 5, 34.264, 30.763

 35, 34.264, 30.763

 0, 34.264, 30.763

 45, 34.264, 30.763

 55, 34.264, 30.763

 65, 34.264, 30.763

 75, 34.264, 30.763

 85, 34.264, 30.763

 95, 34.264, 30.763

■ 15, 34.264, 30.763

■ 15, 34.264, 30.763

■ 14, 37.320, 31.317

■ 16, 30.290, 29.132

■ 13, 39.516, 31.417

■ 18, 25.692, 26.658

■ 20, 21.101, 24.666

■ 22, 16.627, 23.094

■ 25, 12.346, 21.858

■ 27, 8.301, 20.882

■ 30, 4.512, 20.093

■ 32, 0.976, 19.264

■ 35, 2.318, 199.186

Harmonies

Complementary

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



15, 34.264, 30.763



29, 19.602, 196.572

Rectangle

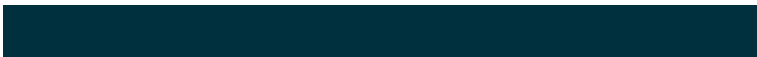
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



15, 34.264, 30.763



15, 34.264, 80.763



15, 34.264, 210.763



15, 34.264, 260.763

Sweetspot

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



15, 34.263, 30.766



34, 11.301, 21.152



17, 43.911, 327.345



16, 7.825, 21.334



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, 34.263, 30.766



19, 49.035, 35.511



22, 28.252, 64.150



14, 1.910, 19.788



19, 50.499, 35.955



48, 96.561, 39.996

Inverse Universe

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



15, 34.263, 30.766



19, 49.035, 35.511



18, 22.471, 271.577



14, 1.910, 19.788



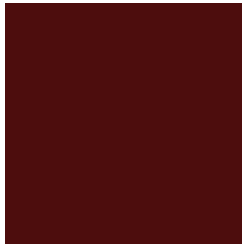
19, 50.499, 35.955



48, 96.561, 39.996

Previews

White Background



This preview shows how the CIE LCh color 15, 34.264, 30.763 looks on a white background.

Color Contrast Check

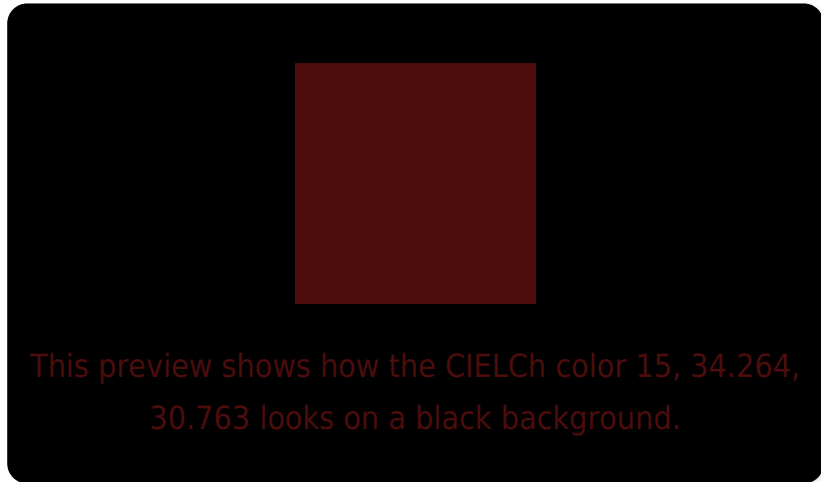
Large Text (above 18pt) WCAG AA ✓ Pass

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, 34.264, 30.763

Background



This preview shows how black text looks on a background with the CIELCh color 15, 34.264, 30.763.



This preview shows how white text looks on a background with the CIELCh color 15, 34.264, 30.763.

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, 34.264, 30.763

Protanopia

16, 13.912, 97.277

Deuteranopia

16, 21.030, 84.295



Tritanopia
15, 34.264, 30.763

Trichromacy



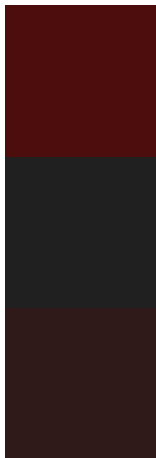
Original Color
15, 34.264, 30.763

Protanomaly
14, 17.507, 50.071

Deuteranomaly
15, 23.131, 53.508

Tritanomaly
15, 34.264, 30.763

Monochromacy



Original Color
15, 34.264, 30.763

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, 34.264, 30.763 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, 13)` looks like.

```
.text, #text, p{  
    color:rgb(77, 13, 13)  
}
```

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, 13) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 15, 34.264, 30.763 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, 13) }
```

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

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

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, 13)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 15, 34.264, 30.763 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, 13) }
```

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

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

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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