

Converting Colors

CIELCh(15, 66.208, 66.513)

Have a look what the booklet for
CIELCh(15, 66.208, 66.513) contains.

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Color

CIELCh(15, 35.463, 40.814)

Conversions

Conversions Part 1

Format	Color
Hex	4C1100
RGB	76, 17, 0
RGB Percent	30%, 7%, 0%
CMY	0.7035, 0.9348, 1.0000
CMYK	0.00, 0.78, 1.00, 0.70
HSL	13°, 100%, 15%
HSV	13°, 100%, 30%
XYZ	3.1415, 1.9086, 0.1876
YIQ	32.7030, 40.6210, 7.2210

Conversions

Conversions Part 2

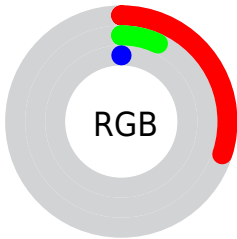
Format	Color
RYB	76, 22, 0
Decimal	4985088
CIELab	15.00, 26.84, 23.18
CIElCh	15, 35.463, 40.814
Yxy	1.9086, 0.5998, 0.3644
Android (android.graphics.Color)	4283175168 (0xFF4C1100)
YUV	32.7030, -16.1226, 37.9715
Hunter-Lab	13.8151, 16.4130, 8.8655

Details

The CIELCh color **15, 35.463, 40.814** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **22, 18.234, 235.451**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 35.533, 40.988**, and **1, 4.364, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **15, 35.343, 40.538**, and if you desaturate by 10%, it is **16, 32.346, 41.310**.

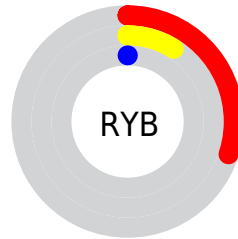
Distribution



Red (30%)

Green (7%)

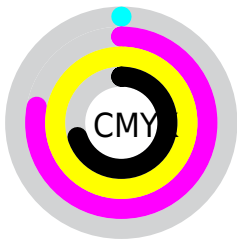
Blue (0%)



Red (30%)

Yellow (9%)

Blue (0%)

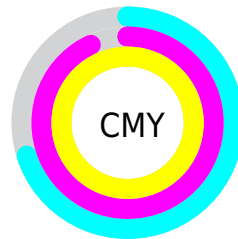


Cyan (0%)

Magenta (78%)

Yellow (100%)

Black (70%)



Cyan (70%)

Magenta (93%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 35.463, 40.814 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, 35.463, 40.814 by changing the saturation by 10% instead.

 15, 35.463, 40.814

 15, 35.463, 40.814

 100, 35.463,
40.814

 5, 35.463, 40.814

 35, 35.463, 40.814

 0, 35.463, 40.814

 45, 35.463, 40.814

 55, 35.463, 40.814

 65, 35.463, 40.814

 75, 35.463, 40.814

 85, 35.463, 40.814

 95, 35.463, 40.814

■ 15, 35.463, 40.814

■ 15, 35.463, 40.814

■ 15, 35.343, 40.538

■ 16, 32.346, 41.310

■ 17, 29.012, 42.471

■ 19, 24.839, 42.251

■ 21, 20.598, 41.755

■ 22, 16.564, 41.428

■ 24, 12.771, 41.262

■ 26, 9.227, 41.233

■ 28, 5.926, 41.311

■ 30, 2.856, 41.449

Harmonies

Complementary

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



15, 35.463, 40.814



22, 18.234, 235.451

Rectangle

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



15, 35.463, 40.814



15, 35.463, 90.814



15, 35.463, 220.814



15, 35.463, 270.814

Sweetspot

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



15, 35.343, 40.538



35, 11.627, 41.231



15, 41.182, 337.952



16, 8.067, 41.230



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, 35.343, 40.538



21, 46.010, 43.008



24, 33.784, 82.559



14, 1.602, 41.464



22, 47.097, 43.176



51, 91.290, 43.783

Inverse Universe

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



22, 18.234, 235.451



30, 22.111, 237.143



10, 39.554, 295.668



15, 1.528, 222.195



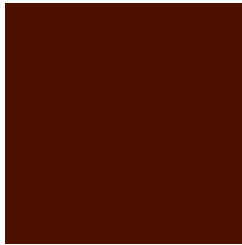
31, 22.516, 237.283



68, 41.171, 240.515

Previews

White Background



This preview shows how the CIE LCh color 15, 35.463, 40.814 looks on a white background.

Color Contrast Check

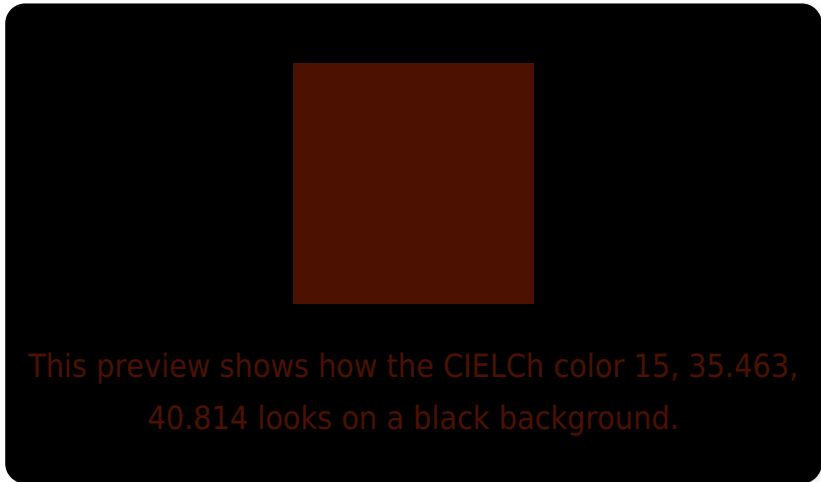
Large Text (above 18pt) WCAG AA ✓ Pass

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

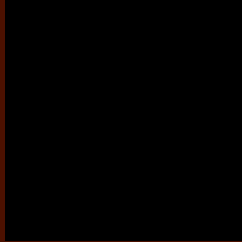
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 35.463, 40.814

Background



This preview shows how black text looks on a background with the CIELCh color 15, 35.463, 40.814.

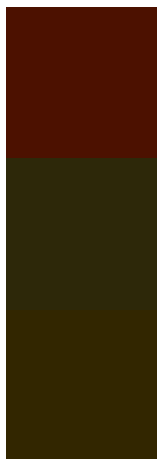


This preview shows how white text looks on a background with the CIELCh color 15, 35.463, 40.814.

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, 35.463, 40.814

Protanopia

16, 19.638, 96.943

Deuteranopia

16, 23.118, 87.339



Tritanopia
15, 32.375, 30.173

Trichromacy



Original Color
15, 35.463, 40.814

Protanomaly
15, 21.528, 63.414

Deuteranomaly
15, 24.800, 62.353

Tritanomaly
15, 33.617, 34.512

Monochromacy



Original Color
15, 35.463, 40.814

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 13.366, 40.785

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 35.463, 40.814 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, 17, 0)` looks like.

```
.text, #text, p{  
    color:rgb(76, 17, 0)  
}
```

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, 17, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 17, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 35.463, 40.814 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, 17, 0) }
```

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

```
.border{ border-color:rgb(76, 17, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 17, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 17, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(76, 17, 0); box-shadow:4px  
4px 4px 4px rgb(76, 17, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 35.463, 40.814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 17, 0) }
```

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

```
.background{ background-color: rgb(76, 17,  
0) }
```

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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