

Converting Colors

CIELCh(12, 78.624, 55.042)

Have a look what the booklet for
CIELCh(12, 78.624, 55.042) contains.

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Color

CIELCh(15, 43.037, 33.200)

Conversions

Conversions Part 1

Format	Color
Hex	550000
RGB	85, 0, 0
RGB Percent	33%, 0%, 0%
CMY	0.6679, 1.0000, 1.0000
CMYK	0.00, 1.00, 1.00, 0.67
HSL	0°, 100%, 17%
HSV	0°, 100%, 33%
XYZ	3.7116, 1.9086, 0.1606
YIQ	25.4150, 50.6600, 18.0200

Conversions

Conversions Part 2

Format	Color
R _Y B	85, 0, 0
Decimal	5570560
CIE Lab	15.00, 36.01, 23.57
CIE LCh	15, 43.037, 33.200
Yxy	1.9086, 0.6421, 0.3302
Android (android.graphics.Color)	4283760640 (0xFF550000)
YUV	25.4150, -12.5296, 52.2560
Hunter-Lab	13.8151, 23.7790, 8.9815

Details

The CIELCh color **15, 43.037, 33.200** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **32, 22.470, 196.386**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 43.091, 33.316**, and **2, 10.621, 17.229** is the 20% darker color. If you saturate the color by 10%, you get **15, 42.893, 33.135**, and if you desaturate by 10%, it is **16, 39.670, 32.535**.

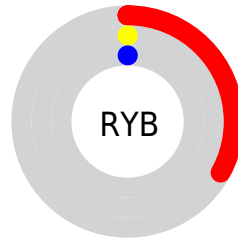
Distribution



Red (33%)

Green (0%)

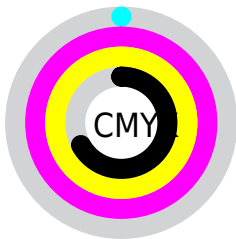
Blue (0%)



Red (33%)

Yellow (0%)

Blue (0%)

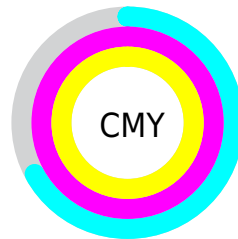


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (67%)



Cyan (67%)

Magenta (100%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 43.037, 33.200 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, 43.037, 33.200 by changing the saturation by 10% instead.

15, 43.037, 33.200

15, 43.037, 33.200

100, 43.037,
33.200

5, 43.037, 33.200

35, 43.037, 33.200

0, 43.037, 33.200

45, 43.037, 33.200

55, 43.037, 33.200

65, 43.037, 33.200

75, 43.037, 33.200

85, 43.037, 33.200

95, 43.037, 33.200

■ 15, 43.037, 33.200

■ 15, 43.037, 33.200

■ 15, 42.893, 33.135

■ 16, 39.670, 32.535

■ 17, 36.080, 31.260

■ 19, 31.330, 28.630

■ 21, 26.354, 26.220

■ 23, 21.414, 24.298

■ 25, 16.624, 22.789

■ 28, 12.060, 21.606

■ 30, 7.761, 20.673

■ 33, 3.743, 19.907

Harmonies

Complementary

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



15, 43.037, 33.200



32, 22.470, 196.386

Rectangle

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



15, 43.037, 33.200



15, 43.037, 83.200



15, 43.037, 213.200



15, 43.037, 263.200

Sweetspot

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



15, 42.893, 33.135



36, 14.979, 21.713



18, 51.817, 328.233



17, 10.392, 21.996



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



15, 42.893, 33.135



21, 53.761, 36.849



22, 35.996, 62.529



16, 2.127, 19.820



21, 52.682, 36.572



49, 98.182, 40.000

Inverse Universe

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



32, 22.470, 196.386



42, 26.913, 196.386



17, 29.953, 280.024



17, 2.022, 199.060



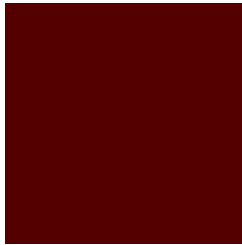
41, 26.468, 196.386



85, 47.051, 196.386

Previews

White Background



This preview shows how the CIE LCh color 15, 43.037, 33.200 looks on a white background.

Color Contrast Check

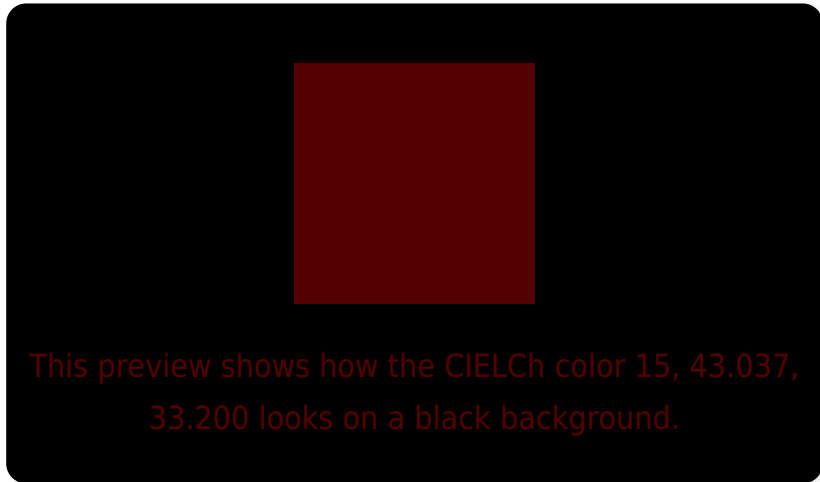
Large Text (above 18pt) WCAG AA ✓ Pass

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

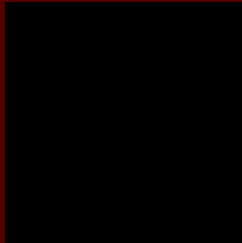
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 43.037, 33.200

Background



This preview shows how black text looks on a background with the CIELCh color 15, 43.037, 33.200.

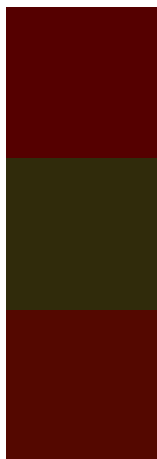


This preview shows how white text looks on a background with the CIELCh color 15, 43.037, 33.200.

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, 43.037, 33.200

Protanopia

17, 20.622, 97.163

Tritanopia

16, 41.084, 36.374

Trichromacy

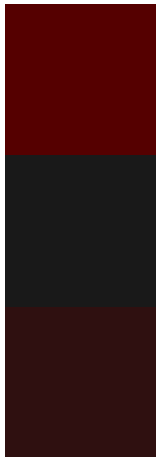


Original Color
15, 43.037, 33.200

Protanomaly
14, 23.931, 51.386

Tritanomaly
15, 41.617, 35.110

Monochromacy



Original Color
15, 43.037, 33.200

Achromatopsia
9, 0.002, 296.813

Achromatomaly
9, 17.337, 23.691

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 43.037, 33.200 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(85, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(85, 0, 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(85, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 0, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 43.037, 33.200 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(85, 0, 0) }
```

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

```
.border{ border-color:rgb(85, 0, 0) }
```

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

Here you see how a box with a 4 pixel rgb(85, 0, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(85, 0, 0); box-shadow:4px  
4px 4px 4px rgb(85, 0, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 43.037, 33.200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 0, 0) }
```

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

```
.background{ background-color: rgb(85, 0,  
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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