

Converting Colors

CIELCh(15, 5.295, 12.837)

Have a look what the booklet for
CIELCh(15, 5.295, 12.837) contains.

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Color

CIELCh(15, 5.590, 13.633)

Conversions

Conversions Part 1

Format	Color
Hex	2E2324
RGB	46, 35, 36
RGB Percent	18%, 14%, 14%
CMY	0.8197, 0.8628, 0.8589
CMYK	0.00, 0.24, 0.22, 0.82
HSL	355°, 14%, 16%
HSV	355°, 24%, 18%
XYZ	2.0444, 1.9086, 1.9282
YIQ	38.4030, 6.2350, 2.6430

Conversions

Conversions Part 2

Format	Color
RYB	46, 35, 36
Decimal	3023652
CIELab	15.00, 5.43, 1.32
CIElCh	15, 5.590, 13.633
Yxy	1.9086, 0.3476, 0.3245
Android (android.graphics.Color)	4281213732 (0xFF2E2324)
YUV	38.4030, -1.1847, 6.6626
Hunter-Lab	13.8151, 2.2387, 1.3954

Details

The CIELCh color **15, 5.590, 13.633** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **18, 5.028, 190.457**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 5.763, 14.064**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **13, 8.133, 14.633**, and if you desaturate by 10%, it is **17, 3.166, 12.787**.

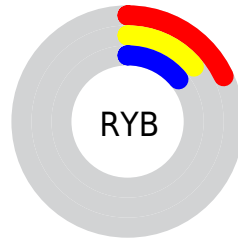
Distribution



Red (18%)

Green (14%)

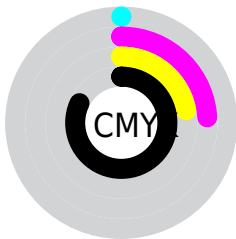
Blue (14%)



Red (18%)

Yellow (14%)

Blue (14%)

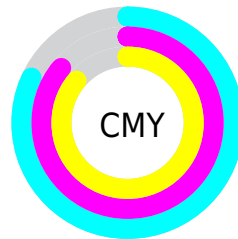


Cyan (0%)

Magenta (24%)

Yellow (22%)

Black (82%)



Cyan (82%)

Magenta (86%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 5.590, 13.633 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, 5.590, 13.633 by changing the saturation by 10% instead.

■ 15, 5.590, 13.633 ■ 15, 5.590, 13.633

■ 100, 5.590, 13.633 ■ 5, 5.590, 13.633

■ 35, 5.590, 13.633 ■ 0, 5.590, 13.633

■ 45, 5.590, 13.633

■ 55, 5.590, 13.633

■ 65, 5.590, 13.633

■ 75, 5.590, 13.633

■ 85, 5.590, 13.633

■ 95, 5.590, 13.633

■ 15, 5.590, 13.633 ■ 15, 5.590, 13.633

13, 8.133, 14.633	17, 3.166, 12.787
12, 10.784, 15.819	18, 0.867, 11.922
10, 13.515, 17.254	20, 1.307, 191.692
9, 16.203, 18.118	22, 3.364, 191.077
8, 18.672, 17.950	23, 5.311, 190.596
7, 20.745, 17.590	25, 7.155, 190.180
6, 22.664, 16.779	27, 8.907, 189.813
5, 23.788, 16.369	28, 10.575, 189.484
	30, 12.167, 189.187

Harmonies

Complementary

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



15, 5.590, 13.633



18, 5.028, 190.457

Rectangle

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



15, 5.590, 13.633



15, 5.590, 63.633



15, 5.590, 193.633



15, 5.590, 243.633

Sweetspot

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



15, 5.589, 13.639



23, 1.920, 12.258



15, 9.046, 322.654



11, 1.261, 12.240



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



15, 5.589, 13.639



19, 8.464, 14.278



16, 4.561, 61.889



7, 1.123, 12.095



16, 42.378, 29.864



45, 87.854, 36.721

Inverse Universe

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



15, 5.589, 13.639



19, 8.464, 14.278



16, 4.194, 246.340



7, 1.123, 12.095



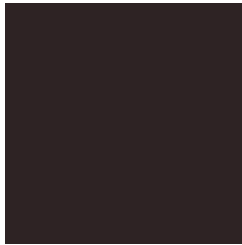
16, 42.378, 29.864



45, 87.854, 36.721

Previews

White Background



This preview shows how the CIELCh color 15, 5.590, 13.633 looks on a white background.

Color Contrast Check

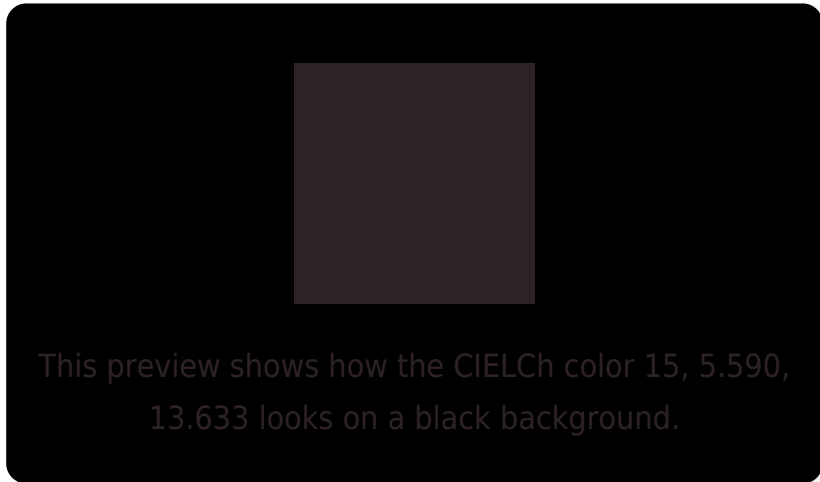
Large Text (above 18pt) WCAG AA ✓ Pass

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

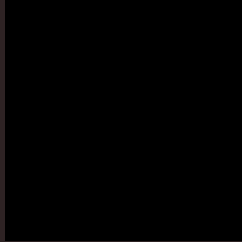
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 5.590, 13.633

Background



This preview shows how black text looks on a background with the CIELCh color 15, 5.590, 13.633.

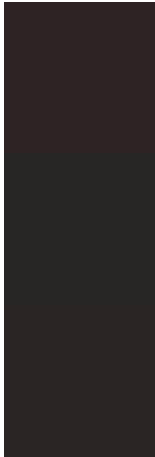


This preview shows how white text looks on a background with the CIELCh color 15, 5.590, 13.633.

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, 5.590, 13.633

Protanopia

15, 0.852, 74.793

Deuteranopia

15, 2.594, 35.589



Tritanopia
15, 5.676, 6.584

Trichromacy



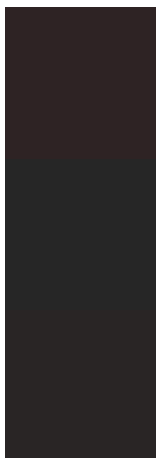
Original Color
15, 5.590, 13.633

Protanomaly
15, 2.479, 19.936

Deuteranomaly
15, 3.507, 20.223

Tritanomaly
15, 5.676, 6.584

Monochromacy



Original Color
15, 5.590, 13.633

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 1.977, 19.796

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 15, 5.590, 13.633 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(46, 35, 36)` looks like.

```
.text, #text, p{  
    color:rgb(46, 35, 36)  
}
```

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(46, 35, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 35, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 5.590, 13.633 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(46, 35, 36) }
```

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

```
.border{ border-color:rgb(46, 35, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 35, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 35, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 35, 36);  
box-shadow:4px 4px 4px 4px rgb(46, 35, 36)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 5.590, 13.633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 35, 36) }
```

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

```
.background{ background-color: rgb(46, 35,  
36) }
```

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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