

Converting Colors

CIELCh(15, 17.512, 344.337)

Have a look what the booklet for
CIELCh(15, 17.512, 344.337)
contains.

CIELCh(15, 17.770, 343.211)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(15, 17.770, 343.211)

Conversions

Conversions Part 1

Format	Color
Hex	391C2D
RGB	57, 28, 45
RGB Percent	22%, 11%, 18%
CMY	0.7756, 0.8893, 0.8227
CMYK	0.00, 0.51, 0.21, 0.78
HSL	325°, 34%, 17%
HSV	325°, 51%, 22%
XYZ	2.5989, 1.9086, 2.7362
YIQ	38.6090, 11.8270, 11.4350

Conversions

Conversions Part 2

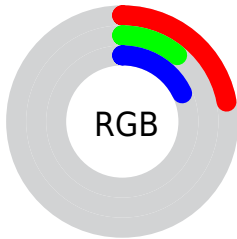
Format	Color
R_{YB}	57, 28, 45
Decimal	3742765
CIE _{Lab}	15.00, 17.01, -5.13
CIE _{LCh}	15, 17.770, 343.211
Yxy	1.9086, 0.3588, 0.2635
Android (android.graphics.Color)	4281932845 (0xFF391C2D)
YUV	38.6090, 3.1508, 16.1289
Hunter-Lab	13.8151, 9.4029, -2.0721

Details

The CIELCh color **15, 17.770, 343.211** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **21, 17.263, 155.114**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 18.236, 342.283**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **13, 20.985, 344.247**, and if you desaturate by 10%, it is **17, 14.350, 342.288**.

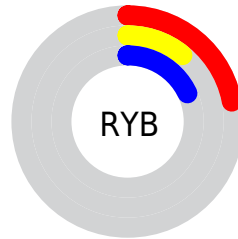
Distribution



Red (22%)

Green (11%)

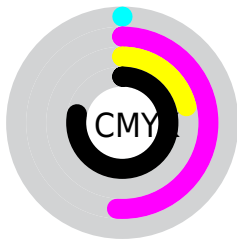
Blue (18%)



Red (22%)

Yellow (11%)

Blue (18%)

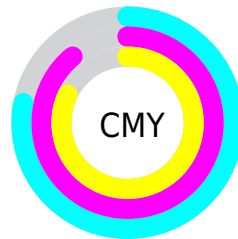


Cyan (0%)

Magenta (51%)

Yellow (21%)

Black (78%)



Cyan (78%)

Magenta (89%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 17.770, 343.211 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, 17.770, 343.211 by changing the saturation by 10% instead.

■ 15, 17.770,
343.211

■ 15, 17.770,
343.211

■ 100, 17.770,
343.211

■ 5, 17.770, 343.211

■ 35, 17.770,
343.211

■ 0, 17.770, 343.211

■ 45, 17.770,
343.211


■ 55, 17.770,
343.211


■ 65, 17.770,
343.211


■ 75, 17.770,
343.211


■ 85, 17.770,

343.211


 95, 17.770,
343.211


 15, 17.770,
343.211


 15, 17.770,
343.211

 13, 20.985,
344.247


 17, 14.350,
342.288

 12, 23.877,
345.431

 18, 10.824,
341.451

 11, 26.313,
346.810


 20, 7.267, 340.680

 10, 28.488,
348.258

 22, 3.729, 339.955

 24, 0.244, 338.703

 9, 30.825, 349.364

 26, 3.165, 158.777

■ 28, 6.487, 158.178

■ 30, 9.716, 157.631

■ 32, 12.852,
157.119

Harmonies

Complementary

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



15, 17.770, 343.211



21, 17.263, 155.114

Rectangle

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



15, 17.770, 343.211



15, 17.770, 33.211



15, 17.770, 163.211



15, 17.770, 213.211

Sweetspot

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



15, 17.769, 343.212



28, 6.501, 340.314



13, 21.335, 308.107



13, 4.480, 340.365



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



15, 17.769, 343.212



18, 25.962, 344.601



14, 15.247, 16.439



9, 1.894, 339.781



18, 41.688, 351.738



48, 77.375, 354.526

Inverse Universe

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



15, 17.769, 343.212



18, 25.962, 344.601



22, 11.882, 187.740



9, 1.894, 339.781



18, 41.688, 351.738



48, 77.375, 354.526

Previews

White Background



This preview shows how the CIE LCh color 15, 17.770, 343.211 looks on a white background.

Color Contrast Check

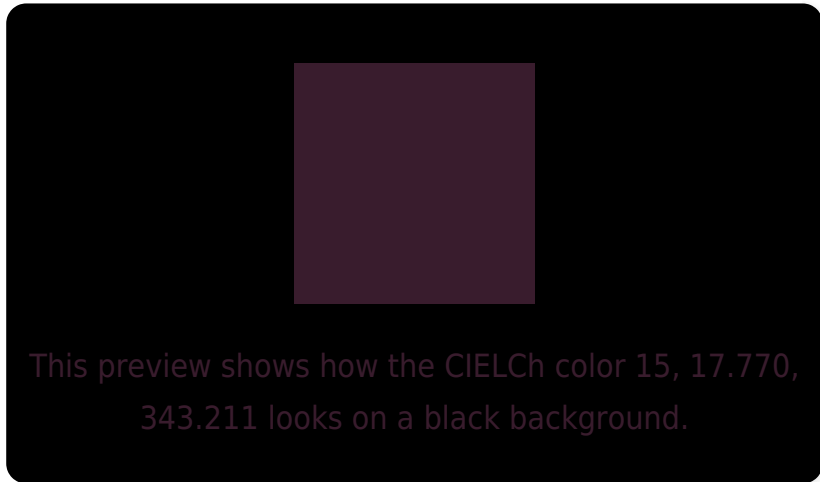
Large Text (above 18pt) WCAG AA ✓ Pass

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

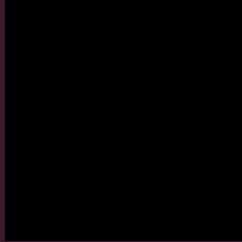
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 17.770, 343.211

Background



This preview shows how black text looks on a background with the CIELCh color 15, 17.770, 343.211.



This preview shows how white text looks on a background with the CIELCh color 15, 17.770, 343.211.

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, 17.770, 343.211

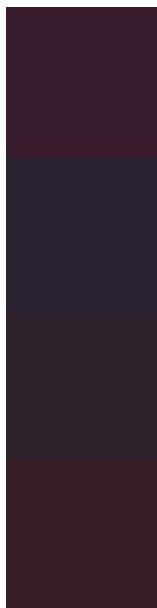
Protanopia
15, 9.956, 283.182

Deuteranopia
15, 5.051, 302.063



Tritanopia
15, 13.032, 17.000

Trichromacy



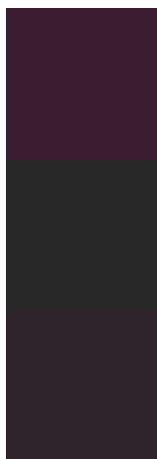
Original Color
15, 17.770, 343.211

Protanomaly
15, 11.934, 310.348

Deuteranomaly
15, 9.063, 330.690

Tritanomaly
15, 13.810, 2.977

Monochromacy



Original Color
15, 17.770, 343.211

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 6.804, 342.897

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 17.770, 343.211 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(57, 28, 45)` looks like.

```
.text, #text, p{  
    color:rgb(57, 28, 45)  
}
```

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(57, 28, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 28, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 17.770, 343.211 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(57, 28, 45) }
```

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

```
.border{ border-color:rgb(57, 28, 45) }
```

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

Here you see how a box with a 4 pixel rgb(57, 28, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 28, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 28, 45);  
box-shadow:4px 4px 4px 4px rgb(57, 28, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 17.770, 343.211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 28, 45) }
```

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

```
.background{ background-color: rgb(57, 28,  
45) }
```

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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