

Converting Colors

CIELCh(15, 10.480, 180.292)

Have a look what the booklet for
CIELCh(15, 10.480, 180.292)
contains.

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Color

CIELCh(15, 10.633, 177.584)

Conversions

Conversions Part 1

Format	Color
Hex	132A25
RGB	19, 42, 37
RGB Percent	7%, 16%, 15%
CMY	0.9264, 0.8362, 0.8558
CMYK	0.55, 0.00, 0.12, 0.84
HSL	167°, 38%, 12%
HSV	167°, 55%, 16%
XYZ	1.4149, 1.9086, 2.0263
YIQ	34.5530, -12.1030, -6.4310

Conversions

Conversions Part 2

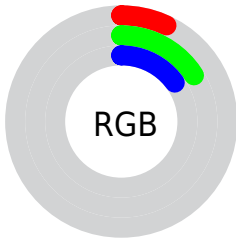
Format	Color
R_{YB}	19, 32, 42
Decimal	1255973
CIE _{Lab}	15.00, -10.62, 0.45
CIE _{LCh}	15, 10.633, 177.584
Yxy	1.9086, 0.2645, 0.3568
Android (android.graphics.Color)	4279446053 (0xFF132A25)
YUV	34.5530, 1.2064, -13.6400
Hunter-Lab	13.8151, -5.8957, 0.9745

Details

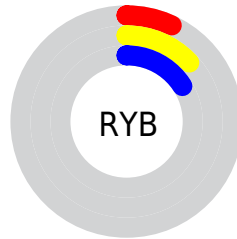
The CIELCh color **15, 10.633, 177.584** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **9, 12.714, 7.647**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 10.295, 180.284**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 12.215, 176.623**, and if you desaturate by 10%, it is **15, 8.911, 178.480**.

Distribution



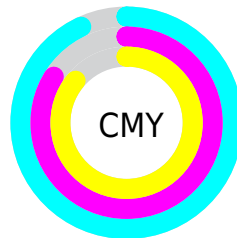
- Red (7%)
- Green (16%)
- Blue (15%)



- Red (7%)
- Yellow (13%)
- Blue (16%)



- Cyan (55%)
- Magenta (0%)
- Yellow (12%)
- Black (84%)



- Cyan (93%)
- Magenta (84%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 10.633, 177.584 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, 10.633, 177.584 by changing the saturation by 10% instead.

■ 15, 10.633,
177.584

■ 15, 10.633,
177.584

■ 100, 10.633,
177.584

■ 5, 10.633, 177.584

■ 35, 10.633,
177.584

■ 0, 10.633, 177.584

■ 45, 10.633,
177.584


■ 55, 10.633,
177.584


■ 65, 10.633,
177.584


■ 75, 10.633,
177.584


■ 85, 10.633,

177.584


 95, 10.633,
177.584

 15, 10.633,
177.584


 15, 10.633,
177.584

 15, 12.215,
176.623


 15, 8.911, 178.480

 15, 13.637,
175.591

 16, 7.069, 179.328

 14, 14.981,
174.598

 16, 5.132, 180.135

 14, 16.389,
173.798

 17, 1.056, 181.755

 14, 17.112,
173.463

 17, 1.045, 2.128

 18, 3.165, 2.916

■ 18, 5.292, 3.593

■ 19, 7.415, 4.238

Harmonies

Complementary

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



15, 10.633, 177.584



9, 12.714, 7.647

Rectangle

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



15, 10.633, 177.584



15, 10.633, 227.584



15, 10.633, 357.584



15, 10.633, 47.584

Sweetspot

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



15, 10.633, 177.582



22, 4.335, 180.688



15, 18.164, 135.461



10, 2.938, 180.703



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



15, 10.633, 177.582



20, 15.058, 176.136



13, 7.989, 231.891



6, 0.946, 181.509



31, 27.766, 170.818



76, 55.356, 168.953

Inverse Universe

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



9, 12.714, 7.647



11, 18.930, 10.272



11, 10.629, 45.098



6, 0.941, 2.400



15, 39.491, 22.747



44, 80.218, 28.686

Previews

White Background



This preview shows how the CIE LCh color 15, 10.633, 177.584 looks on a white background.

Color Contrast Check

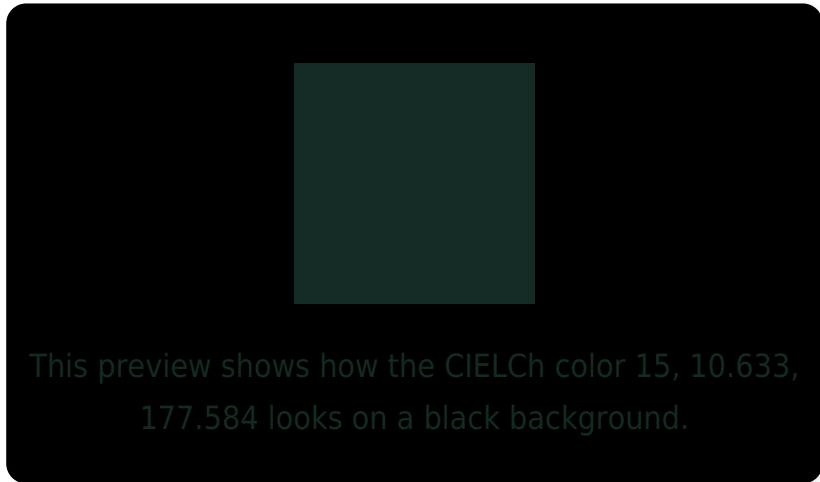
Large Text (above 18pt) WCAG AA ✓ Pass

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

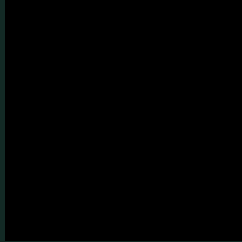
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 10.633, 177.584

Background



This preview shows how black text looks on a background with the CIELCh color 15, 10.633, 177.584.



This preview shows how white text looks on a background with the CIELCh color 15, 10.633, 177.584.

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, 10.633, 177.584

Protanopia

15, 2.852, 99.247

Deuteranopia

15, 2.089, 0.168



Tritanopia
15, 8.385, 212.493

Trichromacy



Original Color
15, 10.633, 177.584

Protanomaly
15, 4.440, 158.885

Deuteranomaly
15, 2.939, 184.841

Tritanomaly
15, 8.799, 197.490

Monochromacy



Original Color
15, 10.633, 177.584

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 4.515, 179.867

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 10.633, 177.584 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(19, 42, 37)` looks like.

```
.text, #text, p{  
    color:rgb(19, 42, 37)  
}
```

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(19, 42, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 42, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 10.633, 177.584 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(19, 42, 37) }
```

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

```
.border{ border-color:rgb(19, 42, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 42, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 42, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 42, 37);  
box-shadow:4px 4px 4px 4px rgb(19, 42, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 10.633, 177.584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 42, 37) }
```

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

```
.background{ background-color: rgb(19, 42,  
37) }
```

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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