

Converting Colors

CIELCh(15, 11.734, 176.685)

Have a look what the booklet for
CIELCh(15, 11.734, 176.685)
contains.

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Color

CIELCh(15, 11.909, 175.832)

Conversions

Conversions Part 1

Format	Color
Hex	102A24
RGB	16, 42, 36
RGB Percent	6%, 16%, 14%
CMY	0.9365, 0.8346, 0.8582
CMYK	0.62, 0.00, 0.14, 0.83
HSL	166°, 45%, 11%
HSV	166°, 62%, 17%
XYZ	1.3720, 1.9086, 1.9788
YIQ	33.5420, -13.5700, -7.3780

Conversions

Conversions Part 2

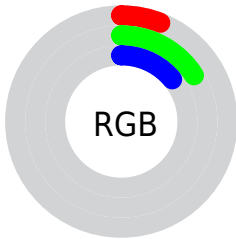
Format	Color
RYB	16, 31, 42
Decimal	1059364
CIELab	15.00, -11.88, 0.87
CIELCh	15, 11.909, 175.832
Yxy	1.9086, 0.2609, 0.3629
Android (android.graphics.Color)	4279249444 (0xFF102A24)
YUV	33.5420, 1.2118, -15.3843
Hunter-Lab	13.8151, -6.4491, 1.1783

Details

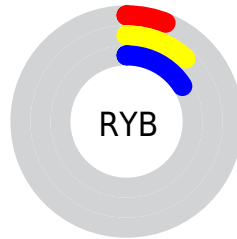
The CIELCh color **15, 11.909, 175.832** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **8, 14.429, 7.554**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 11.876, 176.092**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 13.426, 174.797**, and if you desaturate by 10%, it is **15, 10.239, 176.791**.

Distribution



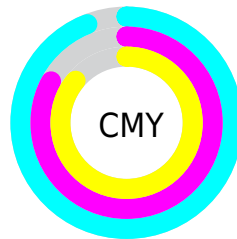
- Red (6%)
- Green (16%)
- Blue (14%)



- Red (6%)
- Yellow (12%)
- Blue (16%)



- Cyan (62%)
- Magenta (0%)
- Yellow (14%)
- Black (83%)



- Cyan (94%)
- Magenta (83%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 11.909, 175.832 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, 11.909, 175.832 by changing the saturation by 10% instead.

■ 15, 11.909,
175.832

■ 15, 11.909,
175.832

■ 100, 11.909,
175.832

■ 5, 11.909, 175.832

■ 35, 11.909,
175.832

■ 0, 11.909, 175.832

■ 45, 11.909,
175.832


■ 55, 11.909,
175.832


■ 65, 11.909,
175.832


■ 75, 11.909,
175.832


■ 85, 11.909,


175.832


 95, 11.909,
175.832

 15, 11.909,
175.832


 15, 11.909,
175.832

 15, 13.426,
174.797

 15, 10.239,
176.791


 15, 14.806,
173.725

 16, 8.436, 177.690

 14, 16.225,
172.835

 16, 6.522, 178.538

 16, 4.522, 179.347

 14, 17.464,
172.229

 17, 2.457, 180.138

 17, 0.347, 181.291

■ 18, 1.792, 1.398

■ 18, 3.943, 2.123

■ 19, 6.095, 2.790

Harmonies

Complementary

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



15, 11.909, 175.832



8, 14.429, 7.554

Rectangle

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



15, 11.909, 175.832



15, 11.909, 225.832



15, 11.909, 355.832



15, 11.909, 45.832

Sweetspot

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



15, 11.909, 175.831



23, 4.802, 179.541



15, 20.282, 135.394



10, 3.249, 179.513



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, 11.909, 175.831



21, 17.212, 173.994



13, 8.811, 232.855



6, 0.952, 180.452



31, 28.223, 169.542



76, 56.359, 167.621

Inverse Universe

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



8, 14.429, 7.554



11, 21.983, 11.227



10, 11.999, 43.840



6, 0.947, 1.382



15, 39.275, 21.758



44, 79.506, 27.589

Previews

White Background



This preview shows how the CIELCh color 15, 11.909, 175.832 looks on a white background.

Color Contrast Check

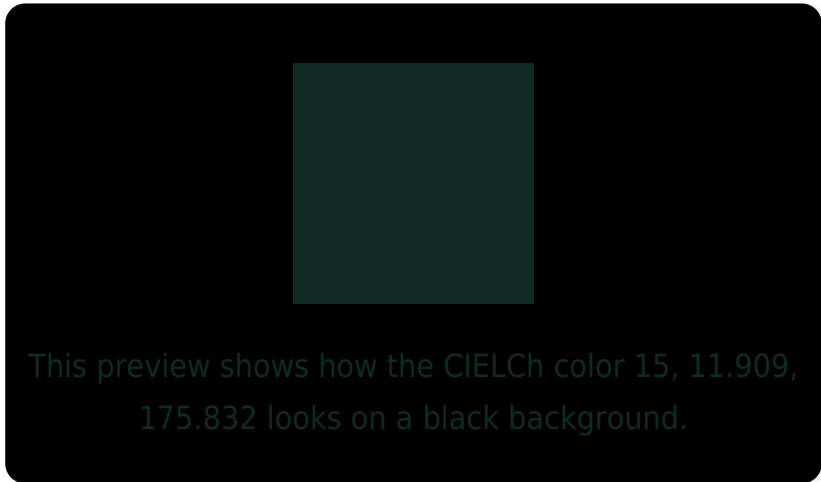
Large Text (above 18pt) WCAG AA ✓ Pass

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

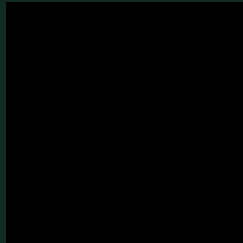
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 11.909, 175.832

Background



This preview shows how black text looks on a background with the CIELCh color 15, 11.909, 175.832.



This preview shows how white text looks on a background with the CIELCh color 15, 11.909, 175.832.

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, 11.909, 175.832

Protanopia
15, 2.852, 99.247

Deuteranopia
15, 2.479, 19.936



Tritanopia
15, 9.014, 211.321

Trichromacy



Original Color
15, 11.909, 175.832

Protanomaly
15, 5.620, 159.313

Deuteranomaly
15, 3.216, 172.622

Tritanomaly
15, 9.456, 197.349

Monochromacy



Original Color
15, 11.909, 175.832

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, 11.909, 175.832 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(16, 42, 36)` looks like.

```
.text, #text, p{  
    color:rgb(16, 42, 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(16, 42, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 42, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 11.909, 175.832 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(16, 42, 36) }
```

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

```
.border{ border-color:rgb(16, 42, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 42, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 42, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 42, 36);  
box-shadow:4px 4px 4px 4px rgb(16, 42, 36)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 11.909, 175.832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 42, 36) }
```

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

```
.background{ background-color: rgb(16, 42,  
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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