

Converting Colors

CIELCh(15, 11.404, 156.207)

Have a look what the booklet for
CIELCh(15, 11.404, 156.207)
contains.

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Color

CIELCh(15, 11.888, 156.306)

Conversions

Conversions Part 1

Format	Color
Hex	172A1F
RGB	23, 42, 31
RGB Percent	9%, 16%, 12%
CMY	0.9110, 0.8366, 0.8797
CMYK	0.46, 0.00, 0.26, 0.84
HSL	145°, 30%, 13%
HSV	145°, 46%, 16%
XYZ	1.4058, 1.9086, 1.5692
YIQ	35.0650, -7.7930, -7.4490

Conversions

Conversions Part 2

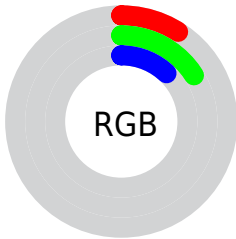
Format	Color
RYB	23, 36, 42
Decimal	1518111
CIELab	15.00, -10.89, 4.78
CIELCh	15, 11.888, 156.306
Yxy	1.9086, 0.2879, 0.3908
Android (android.graphics.Color)	4279708191 (0xFF172A1F)
YUV	35.0650, -2.0040, -10.5810
Hunter-Lab	13.8151, -6.0124, 2.9361

Details

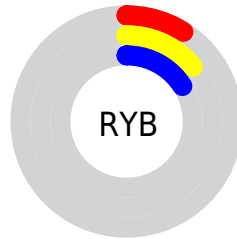
The CIELCh color **15, 11.888, 156.306** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **11, 12.223, 342.832**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 11.394, 156.912**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 14.366, 155.337**, and if you desaturate by 10%, it is **15, 9.333, 157.179**.

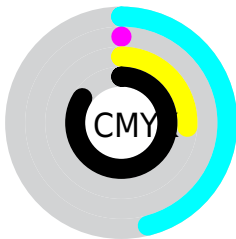
Distribution



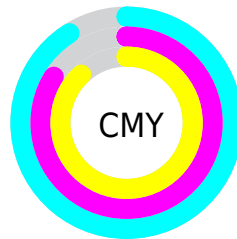
- Red (9%)
- Green (16%)
- Blue (12%)



- Red (9%)
- Yellow (14%)
- Blue (16%)



- Cyan (46%)
- Magenta (0%)
- Yellow (26%)
- Black (84%)



- Cyan (91%)
- Magenta (84%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 11.888, 156.306 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, 11.888, 156.306 by changing the saturation by 10% instead.

■ 15, 11.888,
156.306

■ 15, 11.888,
156.306

■ 100, 11.888,
156.306

■ 5, 11.888, 156.306

■ 35, 11.888,
156.306

■ 0, 11.888, 156.306

■ 45, 11.888,
156.306


■ 55, 11.888,
156.306


■ 65, 11.888,
156.306


■ 75, 11.888,
156.306


■ 85, 11.888,

156.306


 95, 11.888,
156.306

 15, 11.888,
156.306


 15, 11.888,
156.306

 15, 14.366,
155.337


 15, 9.333, 157.179

 14, 16.735,
154.261


 16, 6.726, 157.971

 14, 18.967,
153.065

 16, 4.094, 158.696

 14, 21.139,
151.971

 17, 1.459, 159.402

 14, 23.342,
151.282

 17, 1.162, 339.797

 18, 3.754, 340.421

 18, 6.306, 340.940

■ 14, 24.315,
151.140

■ 19, 8.811, 341.416

■ 19, 11.261,
341.857

Harmonies

Complementary

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



15, 11.888, 156.306



11, 12.223, 342.832

Rectangle

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



15, 11.888, 156.306



15, 11.888, 206.306



15, 11.888, 336.306



15, 11.888, 26.306

Sweetspot

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



15, 11.888, 156.305



22, 4.552, 158.747



16, 13.692, 124.295



10, 3.183, 158.725



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, 11.888, 156.305



20, 17.525, 155.059



15, 8.333, 189.829



6, 1.186, 159.214



31, 41.118, 147.524



75, 83.907, 145.316

Inverse Universe

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



11, 12.223, 342.832



13, 18.076, 343.973



10, 10.311, 16.466



6, 1.171, 340.097



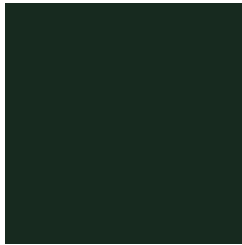
16, 39.217, 351.931



46, 75.146, 355.113

Previews

White Background



This preview shows how the CIE LCh color 15, 11.888, 156.306 looks on a white background.

Color Contrast Check

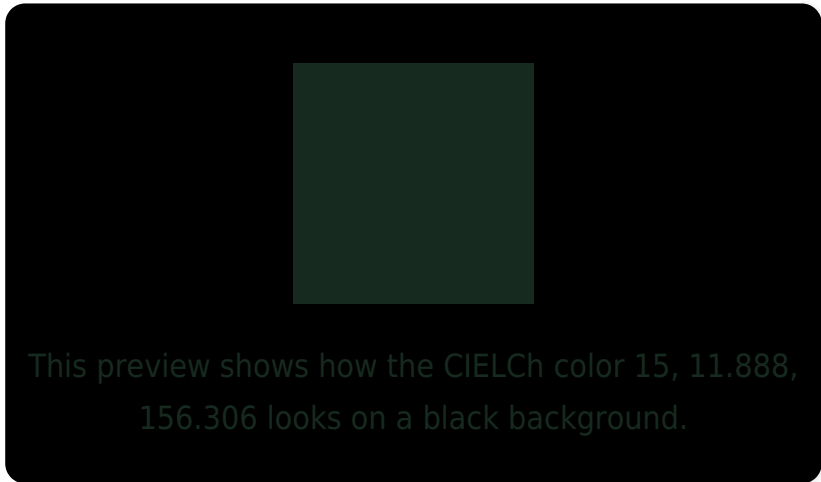
Large Text (above 18pt) WCAG AA ✓ Pass

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

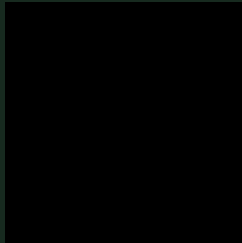
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 11.888, 156.306

Background



This preview shows how black text looks on a background with the CIELCh color 15, 11.888, 156.306.



This preview shows how white text looks on a background with the CIELCh color 15, 11.888, 156.306.

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, 11.888, 156.306

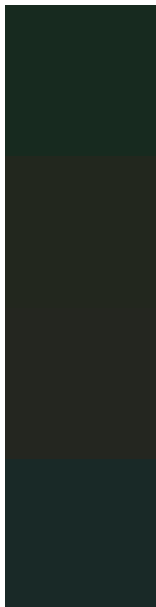
Protanopia
15, 6.395, 99.002

Deuteranopia
15, 4.604, 57.597



Tritanopia
15, 6.328, 217.894

Trichromacy



Original Color
15, 11.888, 156.306

Protanomaly
15, 6.820, 130.193

Deuteranomaly
15, 4.348, 122.386

Tritanomaly
15, 7.308, 186.578

Monochromacy



Original Color
15, 11.888, 156.306

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 4.117, 154.767

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 11.888, 156.306 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(23, 42, 31)` looks like.

```
.text, #text, p{  
    color:rgb(23, 42, 31)  
}
```

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(23, 42, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 42, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 11.888, 156.306 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(23, 42, 31) }
```

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

```
.border{ border-color:rgb(23, 42, 31) }
```

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

Here you see how a box with a 4 pixel rgb(23, 42, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 42, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 42, 31);  
box-shadow:4px 4px 4px 4px rgb(23, 42, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 11.888, 156.306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 42, 31) }
```

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

```
.background{ background-color: rgb(23, 42,  
31) }
```

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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