

Converting Colors

CIELCh(15, 11.349, 191.906)

Have a look what the booklet for
CIELCh(15, 11.349, 191.906)
contains.

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Color

CIELCh(15, 11.370, 193.356)

Conversions

Conversions Part 1

Format	Color
Hex	0D2A29
RGB	13, 42, 41
RGB Percent	5%, 16%, 16%
CMY	0.9487, 0.8350, 0.8389
CMYK	0.69, 0.00, 0.02, 0.83
HSL	178°, 53%, 11%
HSV	178°, 69%, 17%
XYZ	1.3998, 1.9086, 2.3998
YIQ	33.2150, -16.9630, -6.4590

Conversions

Conversions Part 2

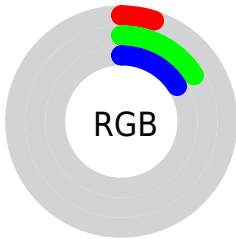
Format	Color
R_{YB}	13, 28, 42
Decimal	862761
CIE _{Lab}	15.00, -11.06, -2.63
CIE _{LCh}	15, 11.370, 193.356
Yxy	1.9086, 0.2452, 0.3344
Android (android.graphics.Color)	4279052841 (0xFF0D2A29)
YUV	33.2150, 3.8380, -17.7286
Hunter-Lab	13.8151, -6.0907, -0.6285

Details

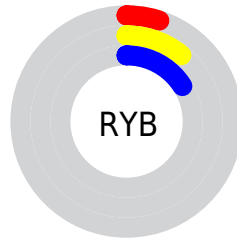
The CIELCh color **15, 11.370, 193.356** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **7, 16.061, 19.493**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 10.995, 194.643**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 12.412, 192.953**, and if you desaturate by 10%, it is **15, 10.146, 193.771**.

Distribution



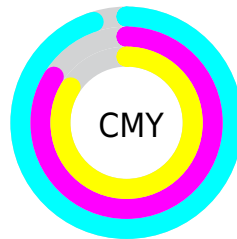
- Red (5%)
- Green (16%)
- Blue (16%)



- Red (5%)
- Yellow (11%)
- Blue (16%)



- Cyan (69%)
- Magenta (0%)
- Yellow (2%)
- Black (83%)



- Cyan (95%)
- Magenta (84%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 11.370, 193.356 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, 11.370, 193.356 by changing the saturation by 10% instead.

■ 15, 11.370,
193.356

■ 15, 11.370,
193.356

■ 100, 11.370,
193.356

■ 5, 11.370, 193.356

■ 35, 11.370,
193.356

■ 0, 11.370, 193.356

■ 45, 11.370,
193.356


■ 55, 11.370,
193.356


■ 65, 11.370,
193.356


■ 75, 11.370,
193.356


■ 85, 11.370,


193.356


 95, 11.370,
193.356

 15, 11.370,
193.356


 15, 11.370,
193.356

 15, 12.412,
192.953

 15, 10.146,
193.771


 15, 13.433,
192.580

 15, 8.745, 194.206

 15, 14.494,
192.234

 16, 7.186, 194.660

 16, 5.488, 195.134

 15, 14.614,
192.198

 16, 3.674, 195.634

 17, 1.764, 196.186

■ 17, 0.223, 15.748

■ 18, 2.268, 17.025

■ 18, 4.356, 17.591

Harmonies

Complementary

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



15, 11.370, 193.356



7, 16.061, 19.493

Rectangle

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



15, 11.370, 193.356



15, 11.370, 243.356



15, 11.370, 13.356



15, 11.370, 63.356

Sweetspot

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



15, 11.370, 193.354



21, 4.970, 195.466



14, 23.416, 139.794



10, 3.407, 195.464



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, 11.370, 193.354



20, 15.264, 192.610



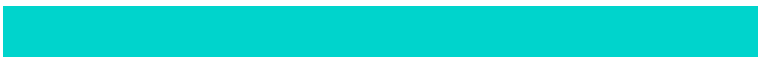
10, 10.998, 260.513



6, 0.898, 196.535



32, 22.943, 191.614



77, 44.770, 191.177

Inverse Universe

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



7, 16.061, 19.493



9, 24.083, 23.316



11, 12.674, 61.332



6, 0.898, 16.543



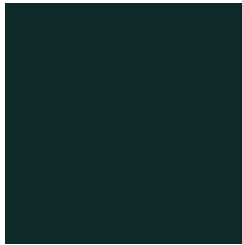
15, 42.127, 31.655



44, 89.420, 38.821

Previews

White Background



This preview shows how the CIELCh color 15, 11.370, 193.356 looks on a white background.

Color Contrast Check

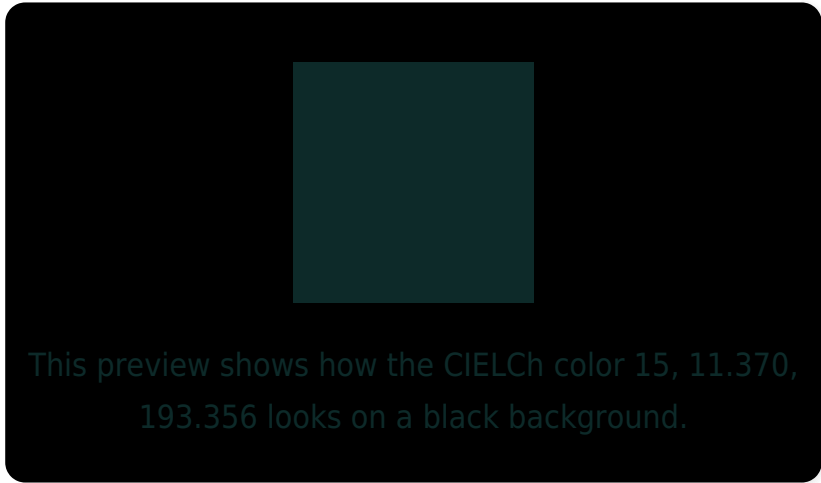
Large Text (above 18pt) WCAG AA ✓ Pass

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

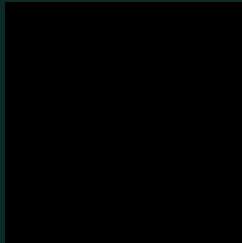
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

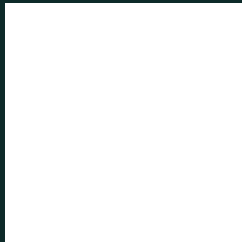
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 15, 11.370, 193.356

Background



This preview shows how black text looks on a background with the CIELCh color 15, 11.370, 193.356.

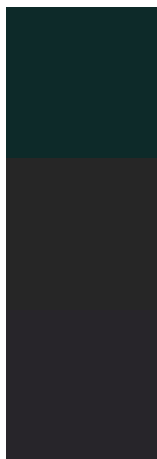


This preview shows how white text looks on a background with the CIELCh color 15, 11.370, 193.356.

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, 11.370, 193.356

Protanopia

15, 0.003, 296.813

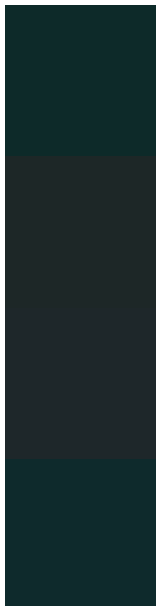
Deuteranopia

15, 3.674, 305.975



Tritanopia
15, 10.452, 209.106

Trichromacy



Original Color
15, 11.370, 193.356

Protanomaly
15, 4.579, 198.391

Deuteranomaly
15, 4.495, 226.936

Tritanomaly
15, 10.741, 204.818

Monochromacy



Original Color
15, 11.370, 193.356

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 4.615, 198.331

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 11.370, 193.356 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(13, 42, 41)` looks like.

```
.text, #text, p{  
    color:rgb(13, 42, 41)  
}
```

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(13, 42, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 42, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 11.370, 193.356 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(13, 42, 41) }
```

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

```
.border{ border-color:rgb(13, 42, 41) }
```

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

Here you see how a box with a 4 pixel rgb(13, 42, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 42, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 42, 41);  
box-shadow:4px 4px 4px 4px rgb(13, 42, 41)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 11.370, 193.356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 42, 41) }
```

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

```
.background{ background-color: rgb(13, 42,  
41) }
```

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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