

Converting Colors

CIELCh(15, 11.626, 193.380)

Have a look what the booklet for
CIELCh(15, 11.626, 193.380)
contains.

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Color

CIELCh(15, 11.626, 193.380)

Conversions

Conversions Part 1

Format	Color
Hex	0C2A29
RGB	12, 42, 41
RGB Percent	5%, 16%, 16%
CMY	0.9522, 0.8346, 0.8386
CMYK	0.71, 0.00, 0.02, 0.83
HSL	178°, 55%, 11%
HSV	178°, 71%, 17%
XYZ	1.3913, 1.9086, 2.4080
YIQ	32.9160, -17.5590, -6.6710

Conversions

Conversions Part 2

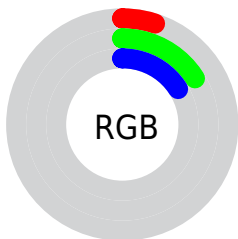
Format	Color
R_{YB}	12, 27, 42
Decimal	797225
CIE _{Lab}	15.00, -11.31, -2.69
CIE _{LCh}	15, 11.626, 193.380
Yxy	1.9086, 0.2437, 0.3344
Android (android.graphics.Color)	4278987305 (0xFF0C2A29)
YUV	32.9160, 3.9854, -18.3433
Hunter-Lab	13.8151, -6.2002, -0.6637

Details

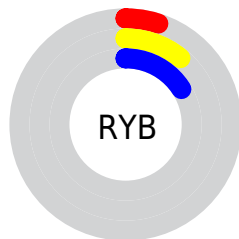
The CIELCh color **15, 11.626, 193.380** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **7, 16.533, 19.436**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 11.339, 194.694**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 12.644, 192.988**, and if you desaturate by 10%, it is **15, 10.442, 193.787**.

Distribution



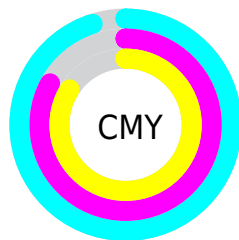
- Red (5%)
- Green (16%)
- Blue (16%)



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



- Cyan (71%)
- Magenta (0%)
- Yellow (2%)
- Black (83%)





- Cyan (95%)
- Magenta (83%)
- Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 11.626, 193.380 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, 11.626, 193.380 by changing the saturation by 10% instead.

 15, 11.626,
193.380


 15, 11.626,
193.380


 100, 11.626,
193.380


 5, 11.626, 193.380


 35, 11.626,
193.380

 0, 11.626, 193.380

 45, 11.626,
193.380


 55, 11.626,
193.380


 65, 11.626,
193.380


 75, 11.626,
193.380


 85, 11.626,


193.380


 95, 11.626,
193.380

 15, 11.626,
193.380


 15, 11.626,
193.380

 15, 12.644,
192.988

 15, 10.442,
193.787

 15, 13.671,
192.626

 15, 9.078, 194.213

 15, 14.622,
192.325

 16, 7.551, 194.659

 16, 5.881, 195.125

 16, 4.088, 195.616

 17, 2.194, 196.147

■ 17, 0.219, 197.423

■ 18, 1.818, 16.979

■ 18, 3.901, 17.558

Harmonies

Complementary

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



15, 11.626, 193.380



7, 16.533, 19.436

Rectangle

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



15, 11.626, 193.380



15, 11.626, 243.380



15, 11.626, 13.380



15, 11.626, 63.380

Sweetspot

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



15, 11.626, 193.378



21, 4.969, 195.561



14, 24.034, 139.810



10, 3.406, 195.560



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, 11.626, 193.378



20, 15.451, 192.656



10, 11.334, 261.069



6, 0.898, 196.629



32, 22.923, 191.761



77, 44.727, 191.337

Inverse Universe

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



7, 16.533, 19.436



9, 24.570, 23.165



11, 13.001, 60.726



6, 0.898, 16.629



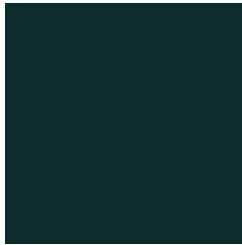
15, 42.143, 31.699



44, 89.462, 38.857

Previews

White Background



This preview shows how the CIELCh color 15, 11.626, 193.380 looks on a white background.

Color Contrast Check

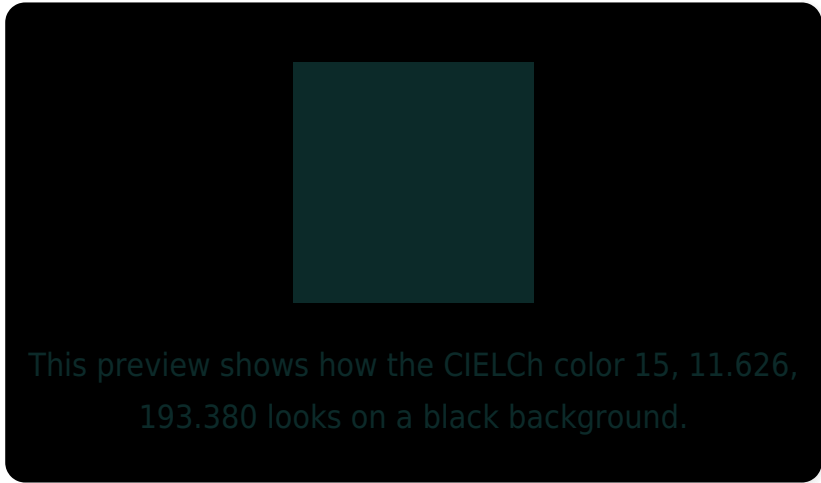
Large Text (above 18pt) WCAG AA ✓ Pass

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

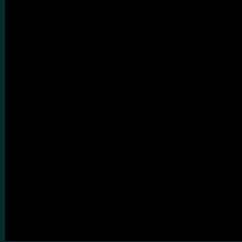
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

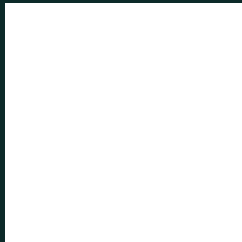
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 15, 11.626, 193.380

Background



This preview shows how black text looks on a background with the CIELCh color 15, 11.626, 193.380.



This preview shows how white text looks on a background with the CIELCh color 15, 11.626, 193.380.

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, 11.626, 193.380

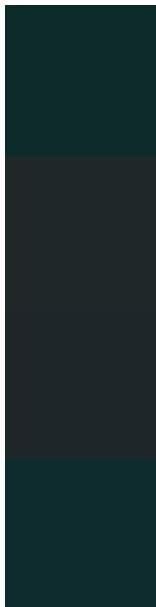
Protanopia
15, 0.003, 296.813

Deuteranopia
15, 3.674, 305.975



Tritanopia
15, 10.710, 208.769

Trichromacy



Original Color
15, 11.626, 193.380

Protanomaly
15, 5.107, 190.282

Deuteranomaly
15, 4.866, 224.543

Tritanomaly
15, 10.995, 204.591

Monochromacy



Original Color
15, 11.626, 193.380

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 5.040, 198.228

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 11.626, 193.380 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(12, 42, 41)` looks like.

```
.text, #text, p{  
    color:rgb(12, 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(12, 42, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 42, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 11.626, 193.380 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(12, 42, 41) }
```

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

```
.border{ border-color:rgb(12, 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(12, 42, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 42, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 42, 41);  
box-shadow:4px 4px 4px 4px rgb(12, 42, 41)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 11.626, 193.380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 42, 41) }
```

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

```
.background{ background-color: rgb(12, 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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