

Converting Colors

CIELCh(13, 39.095, 172.379)

Have a look what the booklet for
CIELCh(13, 39.095, 172.379)
contains.

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Color

CIELCh(15, 22.731, 157.098)

Conversions

Conversions Part 1

Format	Color
Hex	002D19
RGB	0, 45, 25
RGB Percent	0%, 18%, 10%
CMY	1.0000, 0.8253, 0.9036
CMYK	1.00, 0.00, 0.45, 0.83
HSL	153°, 100%, 9%
HSV	153°, 100%, 17%
XYZ	1.0879, 1.9086, 1.2077
YIQ	29.2650, -20.4000, -15.7600

Conversions

Conversions Part 2

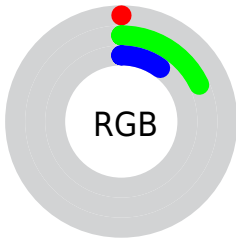
Format	Color
RYB	0, 29, 45
Decimal	11545
CIELab	15.00, -20.94, 8.85
CIElCh	15, 22.731, 157.098
Yxy	1.9086, 0.2588, 0.4540
Android (android.graphics.Color)	4278201625 (0xFF002D19)
YUV	29.2650, -2.1026, -25.6654
Hunter-Lab	13.8151, -10.1203, 4.4877

Details

The CIELCh color **15, 22.731, 157.098** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **5, 23.813, 357.882**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 22.427, 156.995**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 22.648, 156.958**, and if you desaturate by 10%, it is **15, 20.626, 157.781**.

Distribution



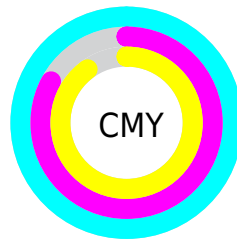
- Red (0%)
- Green (18%)
- Blue (10%)



- Red (0%)
- Yellow (11%)
- Blue (18%)



- Cyan (100%)
- Magenta (0%)
- Yellow (45%)
- Black (83%)





- Cyan (100%)
- Magenta (83%)
- Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 22.731, 157.098 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, 22.731, 157.098 by changing the saturation by 10% instead.

 15, 22.731,
157.098


 15, 22.731,
157.098


 100, 22.731,
157.098


 5, 22.731, 157.098


 35, 22.731,
157.098

 0, 22.731, 157.098

 45, 22.731,
157.098

 55, 22.731,
157.098


 65, 22.731,
157.098

 75, 22.731,
157.098


 85, 22.731,


157.098


 95, 22.731,
157.098


 15, 22.731,
157.098


 15, 22.731,
157.098


 15, 22.648,
156.958

 15, 20.626,
157.781

 15, 18.670,
158.877

 16, 16.712,
160.170

 16, 14.598,
161.355

 16, 12.348,
162.429

■ 17, 9.989, 163.406

■ 17, 7.549, 164.301

■ 17, 5.055, 165.127

■ 18, 2.531, 165.909

Harmonies

Complementary

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



15, 22.731, 157.098



5, 23.813, 357.882

Rectangle

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



15, 22.731, 157.098



15, 22.731, 207.098



15, 22.731, 337.098



15, 22.731, 27.098

Sweetspot

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



15, 22.648, 156.958



23, 9.508, 164.142



15, 28.945, 130.406



10, 6.560, 164.088



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



15, 22.648, 156.958



21, 27.641, 155.475



15, 14.003, 203.082



7, 1.344, 165.985



32, 36.985, 153.853



76, 74.212, 151.666

Inverse Universe

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



5, 23.813, 357.882



9, 29.863, 0.042



5, 22.142, 22.452



7, 1.327, 347.125



16, 38.559, 3.065



46, 74.025, 7.525

Previews

White Background



This preview shows how the CIELCh color 15, 22.731, 157.098 looks on a white background.

Color Contrast Check

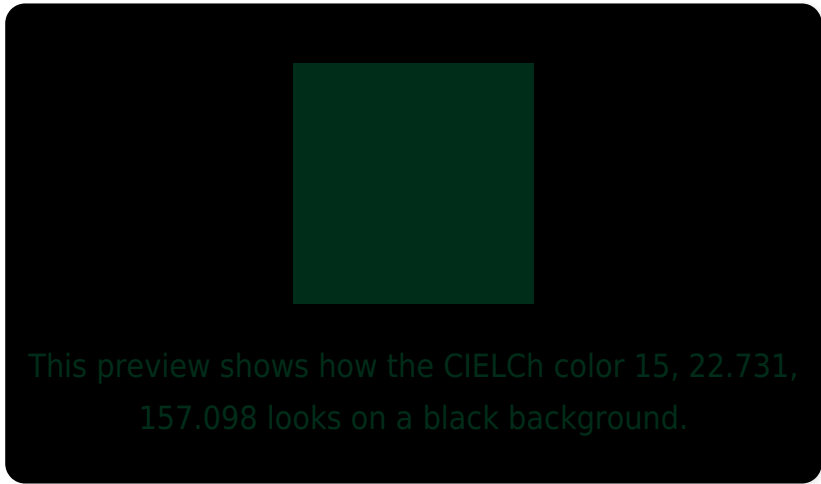
Large Text (above 18pt) WCAG AA ✓ Pass

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, 22.731, 157.098

Background



This preview shows how black text looks on a background with the CIELCh color 15, 22.731, 157.098.



This preview shows how white text looks on a background with the CIELCh color 15, 22.731, 157.098.

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, 22.731, 157.098

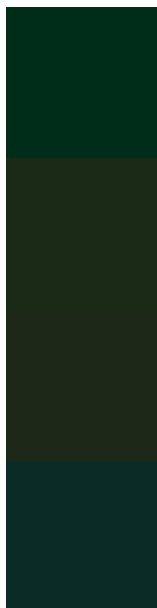
Protanopia
15, 11.886, 98.977

Deuteranopia
15, 9.187, 76.012



Tritanopia
15, 9.947, 214.110

Trichromacy



Original Color
15, 22.731, 157.098

Protanomaly
15, 14.406, 136.298

Deuteranomaly
15, 11.905, 135.327

Tritanomaly
15, 13.185, 180.942

Monochromacy



Original Color
15, 22.731, 157.098

Achromatopsia
11, 0.003, 296.813

Achromatomaly
12, 9.999, 161.626

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 22.731, 157.098 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(0, 45, 25)` looks like.

```
.text, #text, p{  
    color:rgb(0, 45, 25)  
}
```

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(0, 45, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 45, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 22.731, 157.098 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(0, 45, 25) }
```

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

```
.border{ border-color:rgb(0, 45, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 45, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 45, 25); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 45, 25); box-shadow:4px  
4px 4px 4px rgb(0, 45, 25) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 22.731, 157.098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 45, 25) }
```

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

```
.background{ background-color: rgb(0, 45,  
25) }
```

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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