

Converting Colors

CIELCh(15, 22.222, 157.017)

Have a look what the booklet for
CIELCh(15, 22.222, 157.017)
contains.

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Color

CIELCh(15, 21.853, 157.540)

Conversions

Conversions Part 1

Format	Color
Hex	012C19
RGB	1, 44, 25
RGB Percent	0%, 17%, 10%
CMY	0.9949, 0.8260, 0.9007
CMYK	0.97, 0.00, 0.43, 0.83
HSL	153°, 94%, 9%
HSV	153°, 97%, 17%
XYZ	1.1096, 1.9086, 1.2485
YIQ	28.9770, -19.5290, -15.0250

Conversions

Conversions Part 2

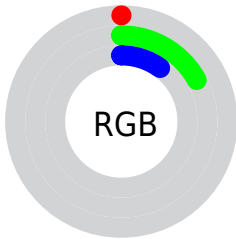
Format	Color
R_{YB}	1, 29, 44
Decimal	76825
CIE _{Lab}	15.00, -20.20, 8.35
CIE _{LCh}	15, 21.853, 157.540
Yxy	1.9086, 0.2601, 0.4473
Android (android.graphics.Color)	4278266905 (0xFF012C19)
YUV	28.9770, -1.9607, -24.5358
Hunter-Lab	13.8151, -9.8401, 4.3125

Details

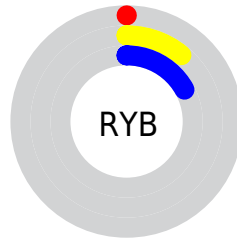
The CIELCh color **15, 21.853, 157.540** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **6, 23.129, 358.027**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 21.754, 157.607**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 22.446, 157.325**, and if you desaturate by 10%, it is **15, 19.868, 158.432**.

Distribution



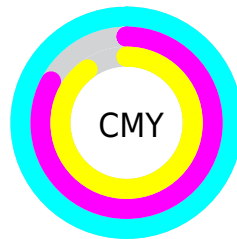
- Red (0%)
- Green (17%)
- Blue (10%)



- Red (0%)
- Yellow (11%)
- Blue (17%)



- Cyan (97%)
- Magenta (0%)
- Yellow (43%)
- Black (83%)





- Cyan (99%)
- Magenta (83%)
- Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 21.853, 157.540 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, 21.853, 157.540 by changing the saturation by 10% instead.

 15, 21.853,
157.540


 15, 21.853,
157.540


 100, 21.853,
157.540


 5, 21.853, 157.540


 35, 21.853,
157.540

 0, 21.853, 157.540

 45, 21.853,
157.540


 55, 21.853,
157.540


 65, 21.853,
157.540


 75, 21.853,
157.540


 85, 21.853,


157.540


 95, 21.853,
157.540


 15, 21.853,
157.540


 15, 21.853,
157.540


 15, 22.446,
157.325

 15, 19.868,
158.432

 15, 17.948,
159.613

 16, 15.969,
160.882

 16, 13.834,
162.031

 16, 11.571,
163.074

■ 17, 9.207, 164.026

■ 17, 6.770, 164.899

■ 17, 4.286, 165.710

■ 18, 1.777, 166.498

Harmonies

Complementary

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



15, 21.853, 157.540



6, 23.129, 358.027

Rectangle

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



15, 21.853, 157.540



15, 21.853, 207.540



15, 21.853, 337.540



15, 21.853, 27.540

Sweetspot

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



15, 21.853, 157.540



23, 9.154, 164.582



15, 28.190, 130.325



10, 6.352, 164.514



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, 21.853, 157.540



21, 27.468, 155.821



15, 13.686, 203.067



7, 1.338, 166.337



32, 36.744, 154.200



76, 73.708, 152.014

Inverse Universe

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



6, 23.129, 358.027



9, 29.828, 0.542



6, 21.552, 22.528



7, 1.322, 347.483



16, 38.534, 3.609



46, 74.044, 8.127

Previews

White Background



This preview shows how the CIELCh color 15, 21.853, 157.540 looks on a white background.

Color Contrast Check

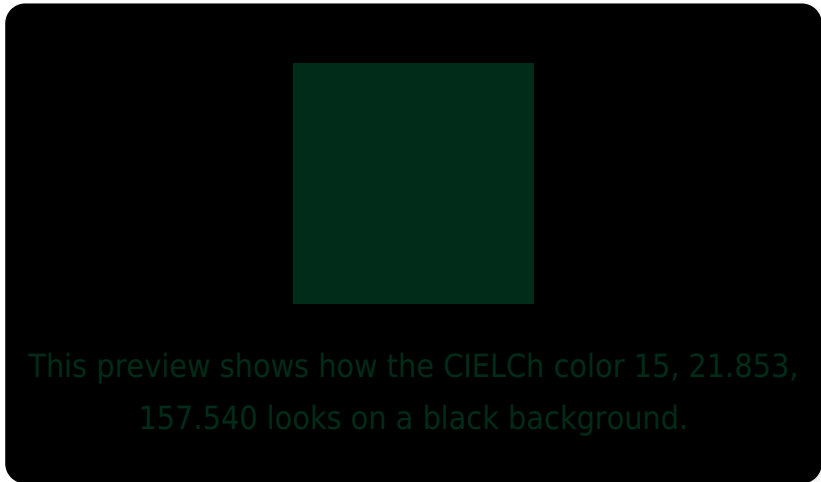
Large Text (above 18pt) WCAG AA ✓ Pass

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

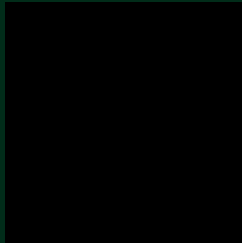
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 21.853, 157.540

Background



This preview shows how black text looks on a background with the CIELCh color 15, 21.853, 157.540.



This preview shows how white text looks on a background with the CIELCh color 15, 21.853, 157.540.

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, 21.853, 157.540

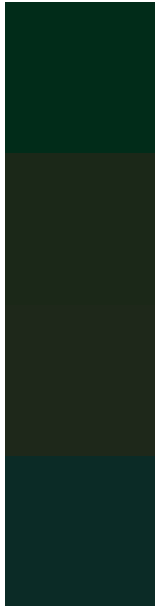
Protanopia
15, 10.686, 95.468

Deuteranopia
15, 8.585, 73.901



Tritanopia
15, 10.184, 209.472

Trichromacy



Original Color
15, 21.853, 157.540

Protanomaly
14, 13.008, 137.475

Deuteranomaly
15, 11.051, 134.865

Tritanomaly
15, 13.185, 180.942

Monochromacy



Original Color
15, 21.853, 157.540

Achromatopsia
11, 0.003, 296.813

Achromatomaly
12, 9.190, 163.728

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 21.853, 157.540 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(1, 44, 25)` looks like.

```
.text, #text, p{  
    color:rgb(1, 44, 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(1, 44, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 44, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 21.853, 157.540 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(1, 44, 25) }
```

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

```
.border{ border-color:rgb(1, 44, 25) }
```

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

Here you see how a box with a 4 pixel rgb(1, 44, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 44, 25); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 44, 25); box-shadow:4px  
4px 4px 4px rgb(1, 44, 25) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 21.853, 157.540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 44, 25) }
```

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

```
.background{ background-color: rgb(1, 44,  
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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