

Converting Colors

CIELCh(15, 23.556, 132.840)

Have a look what the booklet for
CIELCh(15, 23.556, 132.840)
contains.

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Color

CIELCh(15, 23.860, 133.125)

Conversions

Conversions Part 1

Format	Color
Hex	152B0A
RGB	21, 43, 10
RGB Percent	8%, 17%, 4%
CMY	0.9177, 0.8314, 0.9608
CMYK	0.51, 0.00, 0.77, 0.83
HSL	100°, 62%, 10%
HSV	100°, 77%, 17%
XYZ	1.2275, 1.9086, 0.5906
YIQ	32.6600, -2.5190, -14.9270

Conversions

Conversions Part 2

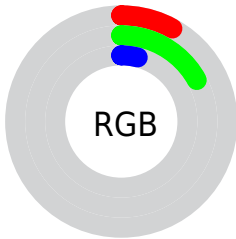
Format	Color
RYB	10, 43, 32
Decimal	1387274
CIELab	15.00, -16.31, 17.41
CIELCh	15, 23.860, 133.125
Yxy	1.9086, 0.3294, 0.5121
Android (android.graphics.Color)	4279577354 (0xFF152B0A)
YUV	32.6600, -11.1714, -10.2258
Hunter-Lab	13.8151, -8.3160, 7.1360

Details

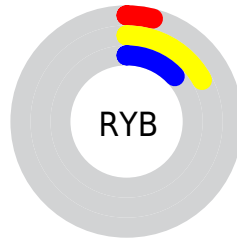
The CIELCh color **15, 23.860, 133.125** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **6, 25.180, 316.601**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 24.009, 133.523**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 26.092, 133.708**, and if you desaturate by 10%, it is **15, 21.431, 132.582**.

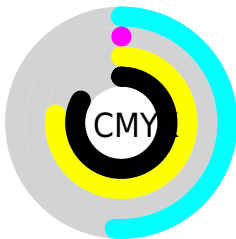
Distribution



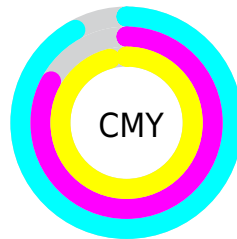
- Red (8%)
- Green (17%)
- Blue (4%)



- Red (4%)
- Yellow (17%)
- Blue (13%)



- Cyan (51%)
- Magenta (0%)
- Yellow (77%)
- Black (83%)





- Cyan (92%)
- Magenta (83%)
- Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 23.860, 133.125 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, 23.860, 133.125 by changing the saturation by 10% instead.

 15, 23.860,
133.125


 15, 23.860,
133.125


 100, 23.860,
133.125


 5, 23.860, 133.125


 35, 23.860,
133.125

 0, 23.860, 133.125

 45, 23.860,
133.125


 55, 23.860,
133.125


 65, 23.860,
133.125


 75, 23.860,
133.125


 85, 23.860,


133.125


 95, 23.860,
133.125


 15, 23.860,
133.125


 15, 23.860,
133.125


 15, 26.092,
133.708


 15, 21.431,
132.582

 15, 28.317,
134.112

 15, 18.593,
132.467

 15, 29.035,
134.208

 16, 15.424,
132.862

 16, 12.164,
133.290

 16, 8.861, 133.703

■ 17, 5.541, 134.095

■ 17, 2.227, 134.469

■ 18, 1.067, 314.715

■ 18, 4.328, 315.055

Harmonies

Complementary

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



15, 23.860, 133.125



6, 25.180, 316.601

Rectangle

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



15, 23.860, 133.125



15, 23.860, 183.125



15, 23.860, 313.125



15, 23.860, 3.125

Sweetspot

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



15, 23.860, 133.126



22, 9.532, 133.798



13, 15.184, 80.525



10, 6.356, 134.394



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, 23.860, 133.126



20, 34.681, 131.865



15, 24.210, 143.453



6, 1.443, 134.995



31, 50.420, 131.335



75, 99.614, 132.624

Inverse Universe

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



6, 25.180, 316.601



7, 37.308, 317.380



8, 23.959, 332.693



6, 1.439, 314.338



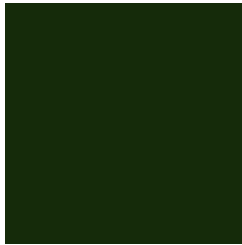
13, 53.535, 317.130



39, 104.768, 316.240

Previews

White Background



This preview shows how the CIE LCh color 15, 23.860, 133.125 looks on a white background.

Color Contrast Check

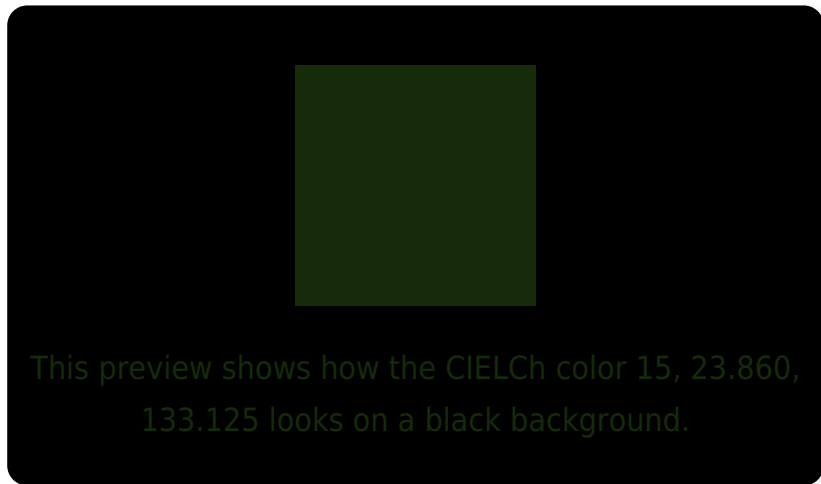
Large Text (above 18pt) WCAG AA ✓ Pass

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

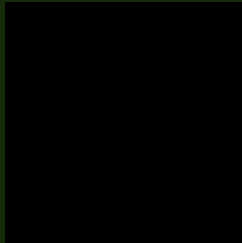
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 23.860, 133.125

Background



This preview shows how black text looks on a background with the CIELCh color 15, 23.860, 133.125.



This preview shows how white text looks on a background with the CIELCh color 15, 23.860, 133.125.

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, 23.860, 133.125

Protanopia

15, 18.403, 96.653

Deuteranopia

15, 16.572, 83.716



Tritanopia
15, 5.965, 219.217

Trichromacy



Original Color
15, 23.860, 133.125

Protanomaly
15, 19.576, 113.620

Deuteranomaly
15, 17.504, 107.518

Tritanomaly
15, 10.459, 154.822

Monochromacy



Original Color
15, 23.860, 133.125

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 9.449, 133.524

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 23.860, 133.125 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(21, 43, 10)` looks like.

```
.text, #text, p{  
    color:rgb(21, 43, 10)  
}
```

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(21, 43, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 43, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 23.860, 133.125 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(21, 43, 10) }
```

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

```
.border{ border-color:rgb(21, 43, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 43, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 43, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 43, 10);  
box-shadow:4px 4px 4px 4px rgb(21, 43, 10)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 23.860, 133.125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 43, 10) }
```

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

```
.background{ background-color: rgb(21, 43,  
10) }
```

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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