

Converting Colors

CIELCh(15, 19.933, 133.076)

Have a look what the booklet for
CIELCh(15, 19.933, 133.076)
contains.

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Color

CIELCh(15, 19.828, 133.341)

Conversions

Conversions Part 1

Format	Color
Hex	182A10
RGB	24, 42, 16
RGB Percent	9%, 16%, 6%
CMY	0.9050, 0.8343, 0.9362
CMYK	0.43, 0.00, 0.61, 0.83
HSL	102°, 44%, 11%
HSV	102°, 61%, 17%
XYZ	1.3143, 1.9086, 0.7999
YIQ	33.6540, -2.3820, -11.9020

Conversions

Conversions Part 2

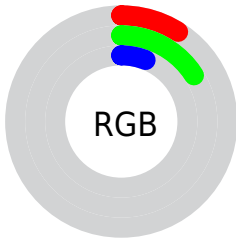
Format	Color
RYB	16, 42, 34
Decimal	1583632
CIELab	15.00, -13.61, 14.42
CIELCh	15, 19.828, 133.341
Yxy	1.9086, 0.3267, 0.4744
Android (android.graphics.Color)	4279773712 (0xFF182A10)
YUV	33.6540, -8.7034, -8.4666
Hunter-Lab	13.8151, -7.1947, 6.2376

Details

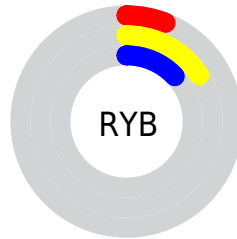
The CIELCh color **15, 19.828, 133.341** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **8, 20.681, 317.592**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 19.288, 133.664**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 22.435, 133.730**, and if you desaturate by 10%, it is **15, 16.828, 133.488**.

Distribution



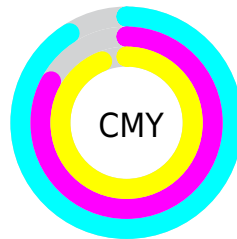
- Red (9%)
- Green (16%)
- Blue (6%)



- Red (6%)
- Yellow (16%)
- Blue (13%)



- Cyan (43%)
- Magenta (0%)
- Yellow (61%)
- Black (83%)



- Cyan (91%)
- Magenta (83%)
- Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 19.828, 133.341 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, 19.828, 133.341 by changing the saturation by 10% instead.

■ 15, 19.828,
133.341

■ 15, 19.828,
133.341

■ 100, 19.828,
133.341

■ 5, 19.828, 133.341

■ 35, 19.828,
133.341

■ 0, 19.828, 133.341

■ 45, 19.828,
133.341


■ 55, 19.828,
133.341


■ 65, 19.828,
133.341


■ 75, 19.828,
133.341


■ 85, 19.828,


133.341


 95, 19.828,
133.341


 15, 19.828,
133.341


 15, 19.828,
133.341


 15, 22.435,
133.730


 15, 16.828,
133.488

 15, 24.702,
134.362

 16, 13.620,
133.932

 14, 26.919,
134.837

 16, 10.354,
134.364

 14, 28.793,
135.102

 16, 7.061, 134.773

 17, 3.765, 135.157

 17, 0.484, 135.613

■ 18, 2.768, 315.776

■ 18, 5.981, 316.069

■ 19, 9.146, 316.324

Harmonies

Complementary

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



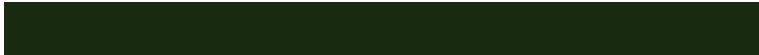
15, 19.828, 133.341



8, 20.681, 317.592

Rectangle

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



15, 19.828, 133.341



15, 19.828, 183.341



15, 19.828, 313.341



15, 19.828, 3.341

Sweetspot

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



15, 19.828, 133.342



23, 7.512, 134.864



14, 13.107, 85.882



10, 5.075, 134.958



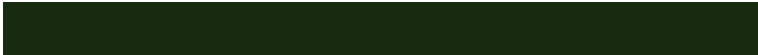
64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



15, 19.828, 133.342



20, 29.727, 132.403



15, 19.247, 145.610



6, 1.453, 135.844



31, 50.761, 131.921



75, 100.251, 133.150

Inverse Universe

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



8, 20.681, 317.592



10, 31.053, 317.975



9, 19.194, 333.151



6, 1.450, 315.221



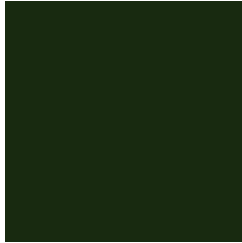
13, 53.290, 317.924



39, 104.221, 317.079

Previews

White Background



This preview shows how the CIE LCh color 15, 19.828, 133.341 looks on a white background.

Color Contrast Check

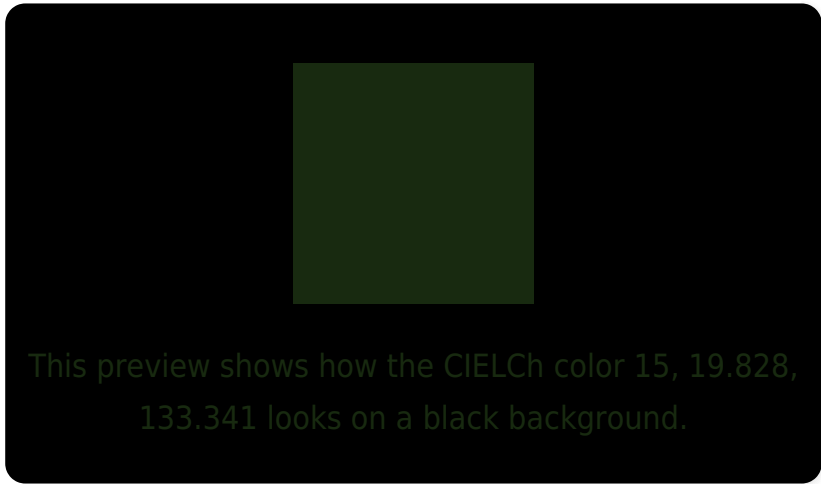
Large Text (above 18pt) WCAG AA ✓ Pass

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

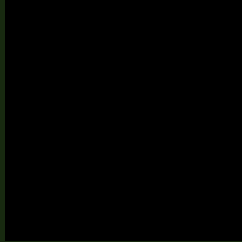
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 19.828, 133.341

Background



This preview shows how black text looks on a background with the CIELCh color 15, 19.828, 133.341.



This preview shows how white text looks on a background with the CIELCh color 15, 19.828, 133.341.

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, 19.828, 133.341

Protanopia

15, 15.606, 97.706

Deuteranopia

15, 14.054, 80.400



Tritanopia
15, 5.227, 222.475

Trichromacy



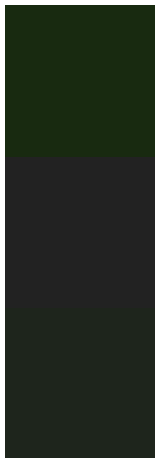
Original Color
15, 19.828, 133.341

Protanomaly
15, 16.805, 113.293

Deuteranomaly
15, 14.326, 103.996

Tritanomaly
15, 8.794, 157.637

Monochromacy



Original Color
15, 19.828, 133.341

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 7.323, 137.245

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 19.828, 133.341 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(24, 42, 16)` looks like.

```
.text, #text, p{  
    color:rgb(24, 42, 16)  
}
```

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(24, 42, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 42, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 19.828, 133.341 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(24, 42, 16) }
```

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

```
.border{ border-color:rgb(24, 42, 16) }
```

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

Here you see how a box with a 4 pixel rgb(24, 42, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 42, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 42, 16);  
box-shadow:4px 4px 4px 4px rgb(24, 42, 16)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 19.828, 133.341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 42, 16) }
```

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

```
.background{ background-color: rgb(24, 42,  
16) }
```

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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