

Converting Colors

CIELCh(15, 18.538, 117.689)

Have a look what the booklet for
CIELCh(15, 18.538, 117.689)
contains.

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Color

CIELCh(15, 18.090, 117.885)

Conversions

Conversions Part 1

Format	Color
Hex	21280E
RGB	33, 40, 14
RGB Percent	13%, 16%, 5%
CMY	0.8690, 0.8414, 0.9468
CMYK	0.17, 0.00, 0.66, 0.84
HSL	76°, 50%, 11%
HSV	76°, 66%, 16%
XYZ	1.4908, 1.9086, 0.6902
YIQ	34.9430, 4.1740, -9.5700

Conversions

Conversions Part 2

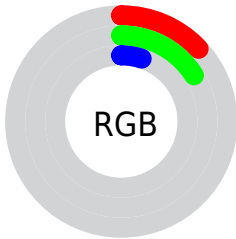
Format	Color
R_{YB}	14, 40, 21
Decimal	2172942
CIE Lab	15.00, -8.46, 15.99
CIE LCh	15, 18.090, 117.885
Yxy	1.9086, 0.3645, 0.4667
Android (android.graphics.Color)	4280363022 (0xFF21280E)
YUV	34.9430, -10.3249, -1.7040
Hunter-Lab	13.8151, -4.9142, 6.7084

Details

The CIELCh color **15, 18.090, 117.885** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **6, 19.765, 302.506**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 17.500, 118.013**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 19.969, 118.309**, and if you desaturate by 10%, it is **15, 15.830, 117.763**.

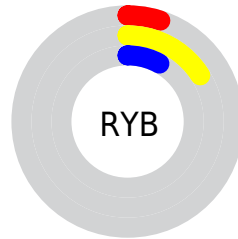
Distribution



Red (13%)

Green (16%)

Blue (5%)



Red (5%)

Yellow (16%)

Blue (8%)

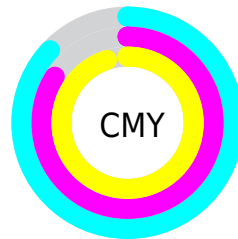


Cyan (17%)

Magenta (0%)

Yellow (66%)

Black (84%)



Cyan (87%)

Magenta (84%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 18.090, 117.885 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, 18.090, 117.885 by changing the saturation by 10% instead.

■ 15, 18.090,
117.885

■ 15, 18.090,
117.885

■ 100, 18.090,
117.885

■ 5, 18.090, 117.885

■ 35, 18.090,
117.885

■ 0, 18.090, 117.885

■ 45, 18.090,
117.885


■ 55, 18.090,
117.885


■ 65, 18.090,
117.885


■ 75, 18.090,
117.885


■ 85, 18.090,


117.885


 95, 18.090,
117.885


 15, 18.090,
117.885


 15, 18.090,
117.885


 15, 19.969,
118.309


 15, 15.830,
117.763

 15, 21.713,
118.794

 15, 13.189,
118.095

 15, 23.469,
119.243

 16, 10.409,
118.576

 15, 24.096,
119.396

 16, 7.580, 119.070

 16, 4.722, 119.565

 16, 1.850, 120.055

■ 16, 1.026, 300.510

■ 17, 3.898, 300.974

■ 17, 6.759, 301.410

Harmonies

Complementary

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



15, 18.090, 117.885



6, 19.765, 302.506

Rectangle

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



15, 18.090, 117.885



15, 18.090, 167.885



15, 18.090, 297.885



15, 18.090, 347.885

Sweetspot

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



15, 18.091, 117.887



22, 7.279, 119.323



9, 12.341, 40.124



10, 5.003, 119.484



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, 18.091, 117.887



21, 27.039, 116.913



14, 20.656, 135.408



6, 1.327, 120.673



33, 44.869, 116.924



78, 87.875, 118.097

Inverse Universe

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



6, 19.765, 302.506



6, 31.531, 305.449



7, 21.482, 319.335



6, 1.328, 300.036



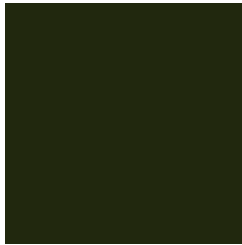
7, 57.705, 308.541



28, 113.650, 307.790

Previews

White Background



This preview shows how the CIELCh color 15, 18.090, 117.885 looks on a white background.

Color Contrast Check

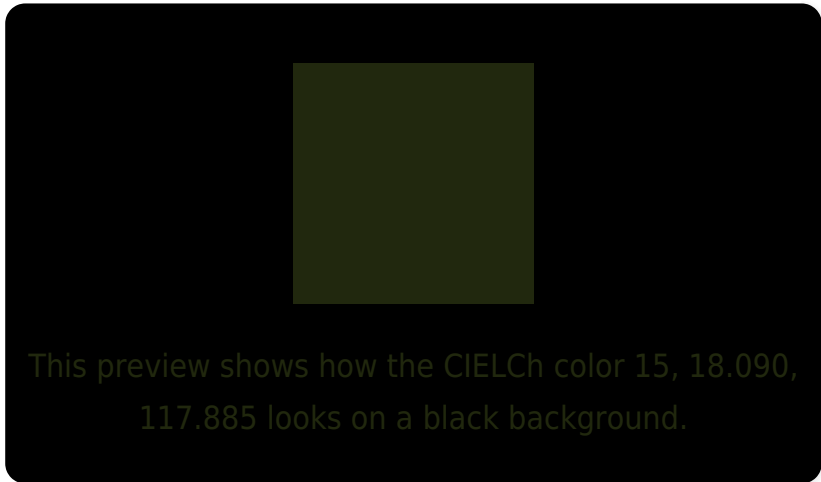
Large Text (above 18pt) WCAG AA ✓ Pass

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

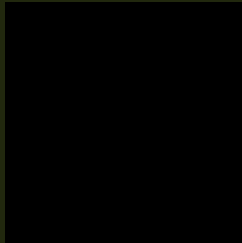
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

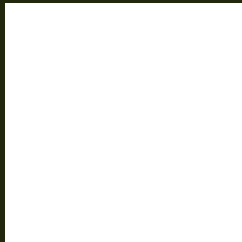
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 15, 18.090, 117.885

Background



This preview shows how black text looks on a background with the CIELCh color 15, 18.090, 117.885.

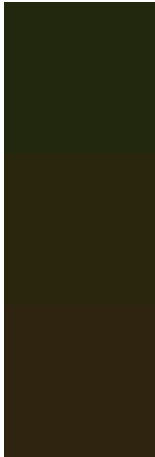


This preview shows how white text looks on a background with the CIELCh color 15, 18.090, 117.885.

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

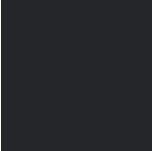
15, 17.614, 118.246

Protanopia

15, 16.598, 98.001

Deuteranopia

15, 15.630, 82.605



Tritanopia
15, 2.299, 266.756

Trichromacy



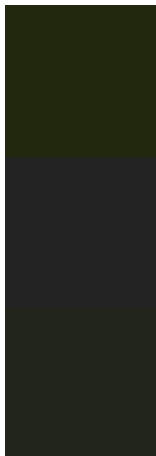
Original Color
15, 17.614, 118.246

Protanomaly
15, 17.036, 105.733

Deuteranomaly
15, 16.114, 97.861

Tritanomaly
15, 5.978, 128.349

Monochromacy



Original Color
15, 17.614, 118.246

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 7.224, 120.596

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 18.090, 117.885 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(33, 40, 14)` looks like.

```
.text, #text, p{  
    color:rgb(33, 40, 14)  
}
```

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(33, 40, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 40, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 18.090, 117.885 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(33, 40, 14) }
```

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

```
.border{ border-color:rgb(33, 40, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 40, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 40, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 40, 14);  
box-shadow:4px 4px 4px 4px rgb(33, 40, 14)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 18.090, 117.885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 40, 14) }
```

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

```
.background{ background-color: rgb(33, 40,  
14) }
```

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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