

Converting Colors

CIELCh(15, 16.736, 120.805)

Have a look what the booklet for
CIELCh(15, 16.736, 120.805)
contains.

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Color

CIELCh(15, 16.774, 120.707)

Conversions

Conversions Part 1

Format	Color
Hex	212910
RGB	33, 41, 16
RGB Percent	13%, 16%, 6%
CMY	0.8723, 0.8410, 0.9353
CMYK	0.20, 0.00, 0.59, 0.84
HSL	80°, 42%, 11%
HSV	80°, 59%, 16%
XYZ	1.4871, 1.9086, 0.7998
YIQ	35.7580, 3.2570, -9.4710

Conversions

Conversions Part 2

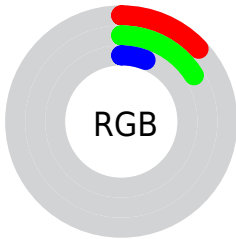
Format	Color
R_YB	16, 41, 24
Decimal	2173200
CIE Lab	15.00, -8.57, 14.42
CIE LCh	15, 16.774, 120.707
Yxy	1.9086, 0.3544, 0.4549
Android (android.graphics.Color)	4280363280 (0xFF212910)
YUV	35.7580, -9.7407, -2.4188
Hunter-Lab	13.8151, -4.9626, 6.2381

Details

The CIELCh color **15, 16.774, 120.707** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **7, 18.332, 305.693**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 16.981, 119.983**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 18.982, 121.035**, and if you desaturate by 10%, it is **15, 14.177, 120.847**.

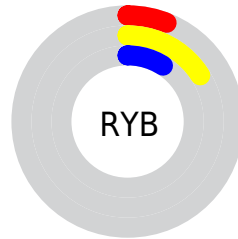
Distribution



Red (13%)

Green (16%)

Blue (6%)



Red (6%)

Yellow (16%)

Blue (9%)

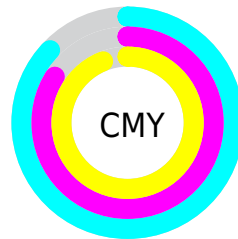


Cyan (20%)

Magenta (0%)

Yellow (59%)

Black (84%)



Cyan (87%)

Magenta (84%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 16.774, 120.707 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, 16.774, 120.707 by changing the saturation by 10% instead.

■ 15, 16.774,
120.707

■ 15, 16.774,
120.707

■ 100, 16.774,
120.707

■ 5, 16.774, 120.707

■ 35, 16.774,
120.707

■ 0, 16.774, 120.707

■ 45, 16.774,
120.707


■ 55, 16.774,
120.707


■ 65, 16.774,
120.707


■ 75, 16.774,
120.707


■ 85, 16.774,


120.707


 95, 16.774,
120.707


 15, 16.774,
120.707


 15, 16.774,
120.707

 15, 18.982,
121.035


 15, 14.177,
120.847

 15, 20.847,
121.626


 15, 11.369,
121.275

 14, 22.661,
122.205

 16, 8.508, 121.720

 14, 24.491,
122.730

 16, 5.615, 122.167

 14, 24.619,
122.765

 16, 2.706, 122.609

 16, 0.205, 302.929

■ 17, 3.111, 303.428

■ 17, 6.005, 303.819

■ 17, 8.880, 304.186

Harmonies

Complementary

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



15, 16.774, 120.707



7, 18.332, 305.693

Rectangle

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



15, 16.774, 120.707



15, 16.774, 170.707



15, 16.774, 300.707



15, 16.774, 350.707

Sweetspot

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



15, 16.775, 120.709



22, 6.627, 122.171



10, 10.835, 48.976



10, 4.653, 122.227



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, 16.775, 120.709



20, 25.018, 119.956



14, 19.196, 136.911



6, 1.341, 123.358



32, 45.718, 120.175



78, 89.783, 121.526

Inverse Universe

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



7, 18.332, 305.693



8, 28.547, 307.371



8, 19.638, 321.336



6, 1.341, 302.636



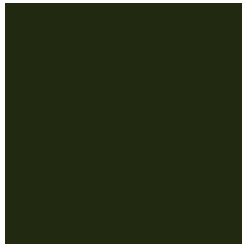
8, 57.077, 309.586



30, 112.315, 308.679

Previews

White Background



This preview shows how the CIELCh color 15, 16.774, 120.707 looks on a white background.

Color Contrast Check

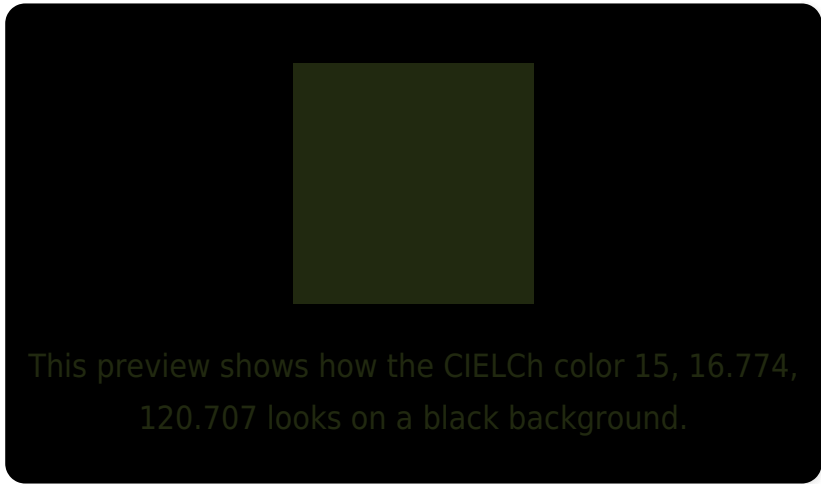
Large Text (above 18pt) WCAG AA ✓ Pass

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

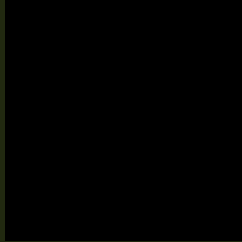
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 16.774, 120.707

Background



This preview shows how black text looks on a background with the CIELCh color 15, 16.774, 120.707.

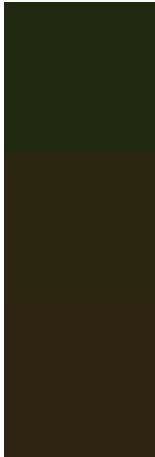


This preview shows how white text looks on a background with the CIELCh color 15, 16.774, 120.707.

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

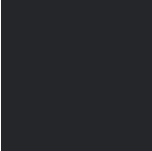
15, 17.318, 120.182

Protanopia

15, 15.072, 97.534

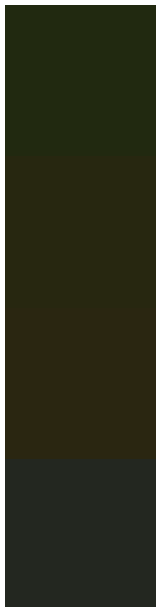
Deuteranopia

15, 14.054, 80.400



Tritanopia
15, 2.299, 266.756

Trichromacy



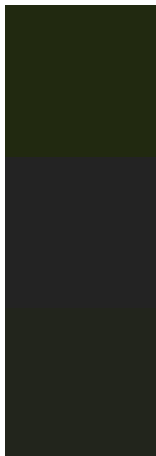
Original Color
15, 17.318, 120.182

Protanomaly
15, 15.501, 105.976

Deuteranomaly
15, 14.513, 97.341

Tritanomaly
15, 5.323, 130.924

Monochromacy



Original Color
15, 17.318, 120.182

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 6.542, 122.021

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 16.774, 120.707 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, 41, 16)` looks like.

```
.text, #text, p{  
    color:rgb(33, 41, 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(33, 41, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 41, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 16.774, 120.707 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, 41, 16) }
```

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

```
.border{ border-color:rgb(33, 41, 16) }
```

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

Here you see how a box with a 4 pixel rgb(33, 41, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 41, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 41, 16);  
box-shadow:4px 4px 4px 4px rgb(33, 41, 16)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 16.774, 120.707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 41, 16) }
```

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

```
.background{ background-color: rgb(33, 41,  
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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