

Converting Colors

CIELCh(15, 7.531, 143.355)

Have a look what the booklet for
CIELCh(15, 7.531, 143.355) contains.

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Color

CIELCh(15, 7.771, 143.331)

Conversions

Conversions Part 1

Format	Color
Hex	1F281F
RGB	31, 40, 31
RGB Percent	12%, 16%, 12%
CMY	0.8784, 0.8431, 0.8784
CMYK	0.22, 0.00, 0.22, 0.84
HSL	120°, 13%, 14%
HSV	120°, 22%, 16%
XYZ	1.5718, 1.9086, 1.5824
YIQ	36.2830, -2.4750, -4.7070

Conversions

Conversions Part 2

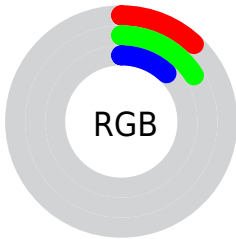
Format	Color
R_{YB}	31, 40, 40
Decimal	2041887
CIE Lab	15.00, -6.23, 4.64
CIE LCh	15, 7.771, 143.331
Yxy	1.9086, 0.3105, 0.3770
Android (android.graphics.Color)	4280231967 (0xFF1F281F)
YUV	36.2830, -2.6045, -4.6332
Hunter-Lab	13.8151, -3.8673, 2.8793

Details

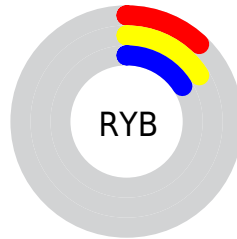
The CIELCh color **15, 7.771, 143.331** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **13, 7.778, 325.403**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 7.624, 143.819**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 11.236, 142.716**, and if you desaturate by 10%, it is **15, 4.301, 143.880**.

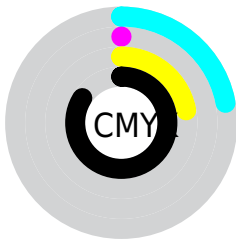
Distribution



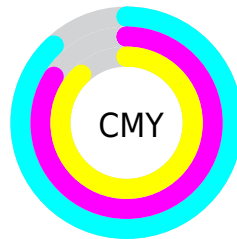
- Red (12%)
- Green (16%)
- Blue (12%)



- Red (12%)
- Yellow (16%)
- Blue (16%)



- Cyan (22%)
- Magenta (0%)
- Yellow (22%)
- Black (84%)



- Cyan (88%)
- Magenta (84%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 7.771, 143.331 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, 7.771, 143.331 by changing the saturation by 10% instead.

 15, 7.771, 143.331	 15, 7.771, 143.331
 100, 7.771, 143.331	 5, 7.771, 143.331
 35, 7.771, 143.331	 0, 7.771, 143.331
 45, 7.771, 143.331	
 55, 7.771, 143.331	
 65, 7.771, 143.331	
 75, 7.771, 143.331	
 85, 7.771, 143.331	
 95, 7.771, 143.331	

■ 15, 7.771, 143.331

■ 15, 7.771, 143.331

■ 15, 11.236,
142.716

■ 15, 4.301, 143.880

■ 14, 14.655,
142.026

■ 16, 0.852, 144.434

■ 14, 17.963,
141.341

■ 17, 2.551, 324.714

■ 14, 20.938,
141.176

■ 18, 9.163, 325.419

■ 13, 23.511,
141.333

■ 18, 12.353,
325.699

■ 13, 25.810,
141.637

■ 19, 15.459,
325.945

■ 13, 28.193,
142.060

■ 20, 18.480,
326.160

■ 13, 29.990,
142.354

■ 21, 21.416,
326.351

Harmonies

Complementary

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



15, 7.771, 143.331



13, 7.778, 325.403

Rectangle

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



15, 7.771, 143.331



15, 7.771, 193.331



15, 7.771, 323.331



15, 7.771, 13.331

Sweetspot

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



15, 7.772, 143.331



21, 2.949, 144.142



16, 6.268, 108.462



9, 1.861, 144.165



63, 0.008, 296.813



9, 0.003, 296.813

Same Dimension

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



15, 7.772, 143.331



20, 11.467, 142.965



15, 5.390, 162.127



6, 1.590, 144.472



30, 53.474, 136.016



74, 104.071, 136.016

Inverse Universe

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



13, 7.778, 325.403



17, 11.473, 325.667



13, 5.512, 345.175



6, 1.593, 324.411



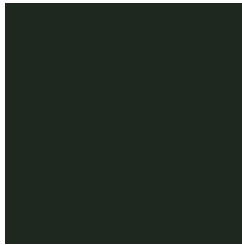
18, 51.593, 328.233



50, 100.411, 328.233

Previews

White Background



This preview shows how the CIELCh color 15, 7.771, 143.331 looks on a white background.

Color Contrast Check

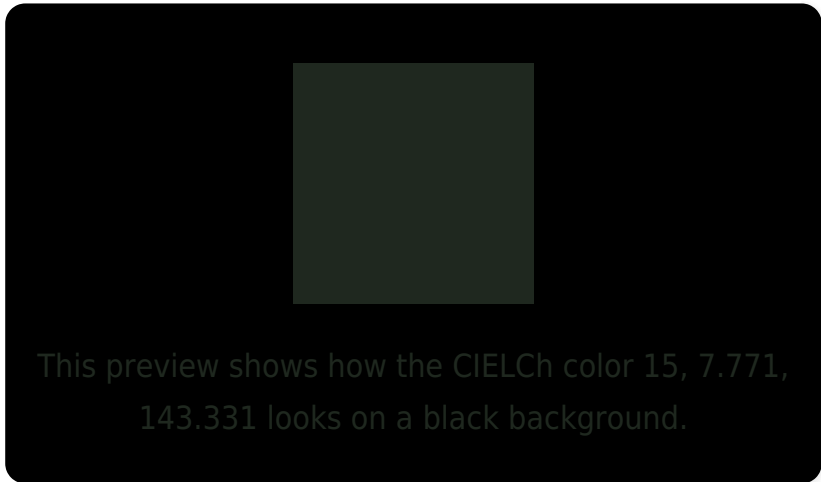
Large Text (above 18pt) WCAG AA ✓ Pass

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

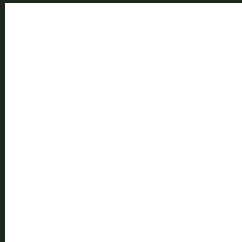
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 15, 7.771, 143.331

Background



This preview shows how black text looks on a background with the CIELCh color 15, 7.771, 143.331.

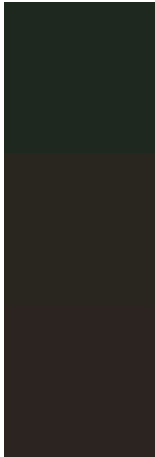


This preview shows how white text looks on a background with the CIELCh color 15, 7.771, 143.331.

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

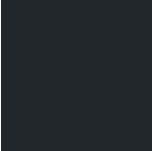
15, 7.771, 143.331

Protanopia

15, 5.706, 98.125

Deuteranopia

15, 4.604, 57.597



Tritanopia
15, 3.415, 237.409

Trichromacy



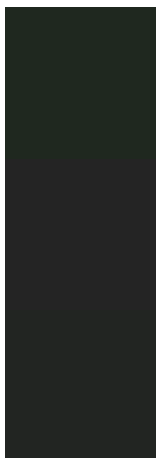
Original Color
15, 7.771, 143.331

Protanomaly
15, 6.384, 117.662

Deuteranomaly
15, 3.667, 93.017

Tritanomaly
15, 3.384, 186.574

Monochromacy



Original Color
15, 7.771, 143.331

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 2.603, 144.114

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 7.771, 143.331 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(31, 40, 31)` looks like.

```
.text, #text, p{  
    color:rgb(31, 40, 31)  
}
```

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(31, 40, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 40, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 7.771, 143.331 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(31, 40, 31) }
```

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

```
.border{ border-color:rgb(31, 40, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 40, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 40, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 40, 31);  
box-shadow:4px 4px 4px 4px rgb(31, 40, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 7.771, 143.331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 40, 31) }
```

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

```
.background{ background-color: rgb(31, 40,  
31) }
```

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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