

Converting Colors

CIELCh(15, 10.019, 127.250)

Have a look what the booklet for
CIELCh(15, 10.019, 127.250)
contains.

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Color

CIELCh(15, 10.409, 127.790)

Conversions

Conversions Part 1

Format	Color
Hex	21281A
RGB	33, 40, 26
RGB Percent	13%, 16%, 10%
CMY	0.8709, 0.8434, 0.8983
CMYK	0.18, 0.00, 0.35, 0.84
HSL	90°, 21%, 13%
HSV	90°, 35%, 16%
XYZ	1.5665, 1.9086, 1.2587
YIQ	36.3110, 0.3220, -5.8380

Conversions

Conversions Part 2

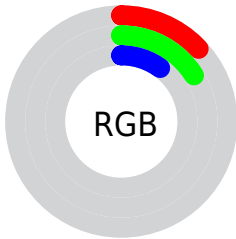
Format	Color
RYB	26, 40, 33
Decimal	2172954
CIELab	15.00, -6.38, 8.23
CIELCh	15, 10.409, 127.790
Yxy	1.9086, 0.3309, 0.4032
Android (android.graphics.Color)	4280363034 (0xFF21281A)
YUV	36.3110, -5.0833, -2.9037
Hunter-Lab	13.8151, -3.9367, 4.2686

Details

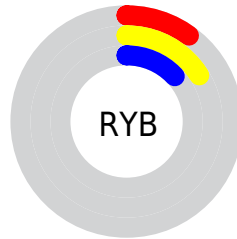
The CIELCh color **15, 10.409, 127.790** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **11, 10.817, 310.406**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 10.553, 128.295**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 13.332, 127.408**, and if you desaturate by 10%, it is **15, 7.451, 128.176**.

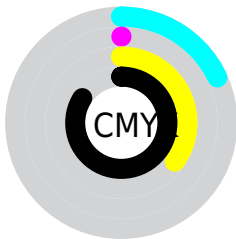
Distribution



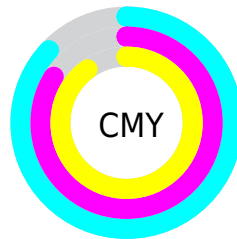
- Red (13%)
- Green (16%)
- Blue (10%)



- Red (10%)
- Yellow (16%)
- Blue (13%)



- Cyan (18%)
- Magenta (0%)
- Yellow (35%)
- Black (84%)



- Cyan (87%)
- Magenta (84%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 10.409, 127.790 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, 10.409, 127.790 by changing the saturation by 10% instead.

■ 15, 10.409,
127.790

■ 15, 10.409,
127.790

■ 100, 10.409,
127.790

■ 5, 10.409, 127.790

■ 35, 10.409,
127.790

■ 0, 10.409, 127.790

■ 45, 10.409,
127.790


■ 55, 10.409,
127.790


■ 65, 10.409,
127.790


■ 75, 10.409,
127.790


■ 85, 10.409,

127.790


 95, 10.409,
127.790

 15, 10.409,
127.790


 15, 10.409,
127.790

 15, 13.332,
127.408


 15, 7.451, 128.176

 14, 16.135,
127.194


 16, 4.475, 128.552

 14, 18.594,
127.541

 16, 1.499, 128.926

 14, 20.702,
128.245

 16, 1.466, 309.208

 14, 22.655,
128.999

 17, 4.412, 309.540

 17, 7.332, 309.834

 17, 10.221,

■ 14, 24.626,
129.631

310.103

■ 14, 25.605,
129.905

■ 18, 13.075,
310.350

■ 18, 15.891,
310.576

Harmonies

Complementary

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



15, 10.409, 127.790



11, 10.817, 310.406

Rectangle

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



15, 10.409, 127.790



15, 10.409, 177.790



15, 10.409, 307.790



15, 10.409, 357.790

Sweetspot

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



15, 10.410, 127.792



21, 4.020, 128.678



13, 6.288, 71.984



9, 2.612, 128.904



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, 10.410, 127.792



20, 15.297, 127.429



14, 12.096, 142.548



6, 1.385, 129.460



31, 48.089, 126.702



76, 94.926, 128.196

Inverse Universe

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



11, 10.817, 310.406



13, 16.079, 310.809



12, 12.097, 325.940



6, 1.383, 308.681



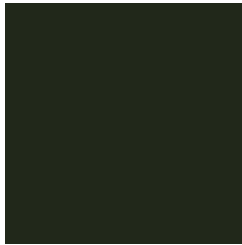
10, 55.243, 312.821



34, 108.524, 311.797

Previews

White Background



This preview shows how the CIELCh color 15, 10.409, 127.790 looks on a white background.

Color Contrast Check

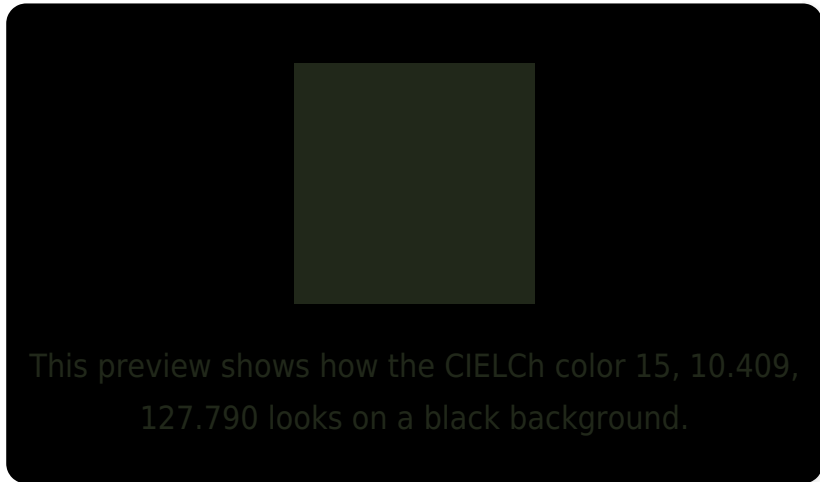
Large Text (above 18pt) WCAG AA ✓ Pass

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

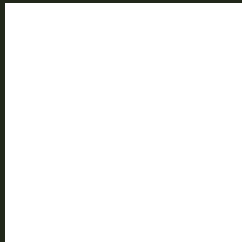
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 15, 10.409, 127.790

Background



This preview shows how black text looks on a background with the CIELCh color 15, 10.409, 127.790.

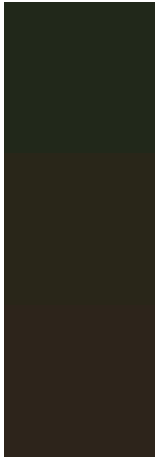


This preview shows how white text looks on a background with the CIELCh color 15, 10.409, 127.790.

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, 10.409, 127.790

Protanopia

15, 9.226, 97.559

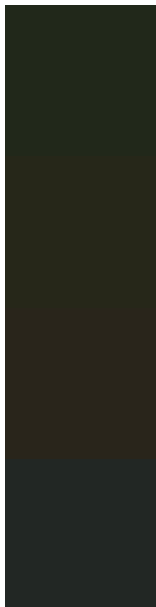
Deuteranopia

15, 8.034, 71.375



Tritanopia
15, 2.513, 257.007

Trichromacy



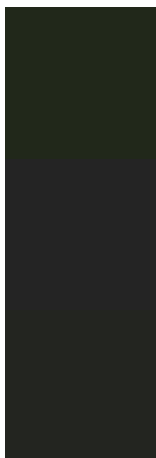
Original Color
15, 10.409, 127.790

Protanomaly
15, 9.752, 110.575

Deuteranomaly
15, 7.352, 91.364

Tritanomaly
15, 3.237, 157.895

Monochromacy



Original Color
15, 10.409, 127.790

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 3.682, 124.995

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 10.409, 127.790 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, 26)` looks like.

```
.text, #text, p{  
    color:rgb(33, 40, 26)  
}
```

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, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 40, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 10.409, 127.790 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, 26) }
```

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

```
.border{ border-color:rgb(33, 40, 26) }
```

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, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 40, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 40, 26);  
box-shadow:4px 4px 4px 4px rgb(33, 40, 26)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 10.409, 127.790 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, 26) }
```

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

```
.background{ background-color: rgb(33, 40,  
26) }
```

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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