

Converting Colors

CIELCh(19, 13.447, 124.722)

Have a look what the booklet for
CIELCh(19, 13.447, 124.722)
contains.

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Color

CIELCh(19, 13.415, 124.671)

Conversions

Conversions Part 1

Format	Color
Hex	29311E
RGB	41, 49, 30
RGB Percent	16%, 19%, 12%
CMY	0.8397, 0.8084, 0.8829
CMYK	0.16, 0.00, 0.39, 0.81
HSL	85°, 24%, 15%
HSV	85°, 39%, 19%
XYZ	2.2343, 2.7468, 1.6320
YIQ	44.4420, 1.3310, -7.6050

Conversions

Conversions Part 2

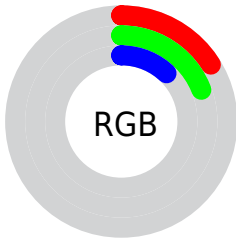
Format	Color
RYB	30, 49, 38
Decimal	2699550
CIELab	19.00, -7.63, 11.03
CIELCh	19, 13.415, 124.671
Yxy	2.7468, 0.3379, 0.4154
Android (android.graphics.Color)	4280889630 (0xFF29311E)
YUV	44.4420, -7.1199, -3.0186
Hunter-Lab	16.5735, -4.9401, 5.7631

Details

The CIELCh color **19, 13.415, 124.671** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **13, 14.155, 308.045**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 13.362, 125.542**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 16.768, 124.267**, and if you desaturate by 10%, it is **19, 9.997, 125.094**.

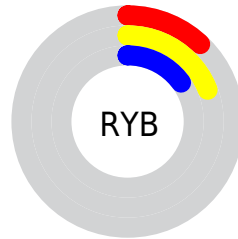
Distribution



Red (16%)

Green (19%)

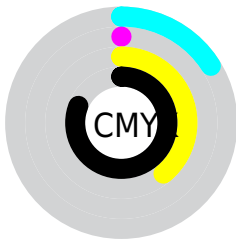
Blue (12%)



Red (12%)

Yellow (19%)

Blue (15%)

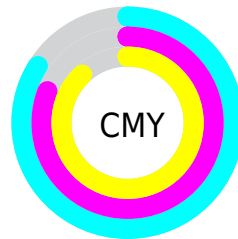


Cyan (16%)

Magenta (0%)

Yellow (39%)

Black (81%)



Cyan (84%)

Magenta (81%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 13.415, 124.671 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 19, 13.415, 124.671 by changing the saturation by 10% instead.

■ 19, 13.415,
124.671

■ 19, 13.415,
124.671

■ 100, 13.415,
124.671

■ 9, 13.415, 124.671

■ 39, 13.415,
124.671

■ 0, 13.415, 124.671

■ 49, 13.415,
124.671


■ 59, 13.415,
124.671


■ 69, 13.415,
124.671


■ 79, 13.415,
124.671


■ 89, 13.415,

124.671


 99, 13.415,
124.671

 19, 13.415,
124.671

 19, 13.415,
124.671

 19, 16.768,
124.267

 19, 9.997, 125.094


 18, 20.014,
123.900

 20, 6.542, 125.516

 20, 3.073, 125.931


 18, 23.048,
123.688


 20, 0.395, 306.225

 18, 25.574,
123.978

 21, 3.849, 306.673

 21, 7.279, 307.024

 18, 27.811,
124.465

 21, 10.680,

■ 18, 30.062,
124.882

307.349

■ 18, 30.317,
124.925

■ 22, 14.045,
307.649

■ 22, 17.371,
307.926

Harmonies

Complementary

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



19, 13.415, 124.671



13, 14.155, 308.045

Rectangle

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



19, 13.415, 124.671



19, 13.415, 174.671



19, 13.415, 304.671



19, 13.415, 354.671

Sweetspot

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



19, 13.416, 124.673



26, 5.201, 125.775



16, 8.148, 62.498



12, 3.487, 125.774



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



19, 13.416, 124.673



25, 20.154, 124.239



18, 15.478, 140.159



9, 1.983, 125.972



34, 48.934, 124.000



78, 94.160, 125.367

Inverse Universe

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



13, 14.155, 308.045



16, 21.634, 308.618



14, 15.555, 323.754



8, 2.008, 306.577



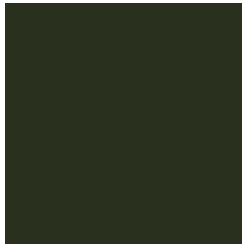
10, 58.489, 311.064



32, 112.377, 310.141

Previews

White Background



This preview shows how the CIE LCh color 19, 13.415, 124.671 looks on a white background.

Color Contrast Check

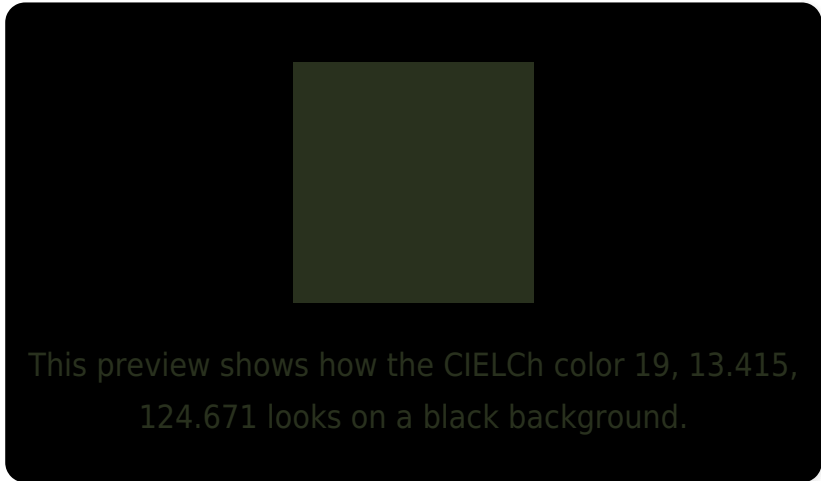
Large Text (above 18pt) WCAG AA ✓ Pass

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

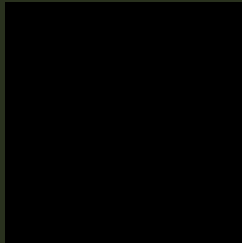
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 13.415, 124.671

Background



This preview shows how black text looks on a background with the CIELCh color 19, 13.415, 124.671.

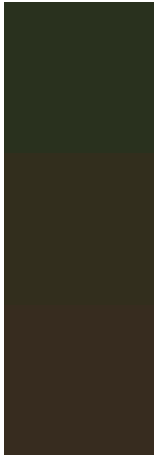


This preview shows how white text looks on a background with the CIELCh color 19, 13.415, 124.671.

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

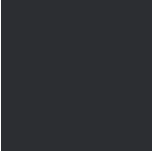
19, 13.415, 124.671

Protanopia

19, 11.714, 96.896

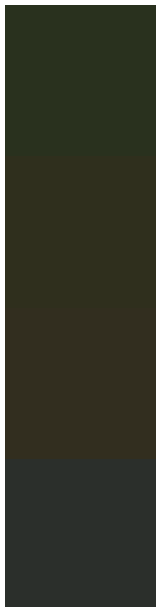
Deuteranopia

19, 10.704, 74.988



Tritanopia
19, 2.874, 272.466

Trichromacy



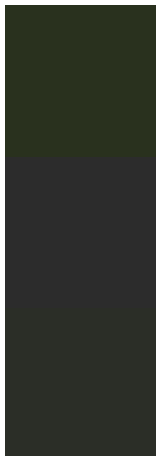
Original Color
19, 13.415, 124.671

Protanomaly
19, 12.140, 107.142

Deuteranomaly
19, 10.401, 96.025

Tritanomaly
19, 3.350, 144.067

Monochromacy



Original Color
19, 13.415, 124.671

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 5.021, 125.949

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 13.415, 124.671 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(41, 49, 30)` looks like.

```
.text, #text, p{  
    color:rgb(41, 49, 30)  
}
```

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(41, 49, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 49, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 13.415, 124.671 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(41, 49, 30) }
```

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

```
.border{ border-color:rgb(41, 49, 30) }
```

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

Here you see how a box with a 4 pixel rgb(41, 49, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 49, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 49, 30);  
box-shadow:4px 4px 4px 4px rgb(41, 49, 30)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 13.415, 124.671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 49, 30) }
```

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

```
.background{ background-color: rgb(41, 49,  
30) }
```

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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