

Converting Colors

CIELCh(19, 13.881, 121.160)

Have a look what the booklet for
CIELCh(19, 13.881, 121.160)
contains.

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Color

CIELCh(19, 13.892, 121.842)

Conversions

Conversions Part 1

Format	Color
Hex	2A311D
RGB	42, 49, 29
RGB Percent	16%, 19%, 11%
CMY	0.8364, 0.8089, 0.8873
CMYK	0.14, 0.00, 0.41, 0.81
HSL	81°, 26%, 15%
HSV	81°, 41%, 19%
XYZ	2.2484, 2.7468, 1.5569
YIQ	44.6270, 2.2480, -7.7040

Conversions

Conversions Part 2

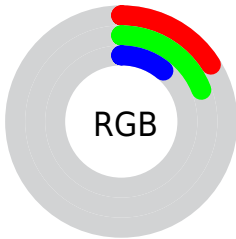
Format	Color
R_{YB}	29, 49, 36
Decimal	2765085
CIE Lab	19.00, -7.33, 11.80
CIE LCh	19, 13.892, 121.842
Yxy	2.7468, 0.3432, 0.4192
Android (android.graphics.Color)	4280955165 (0xFF2A311D)
YUV	44.6270, -7.7041, -2.3039
Hunter-Lab	16.5735, -4.7875, 6.0318

Details

The CIELCh color **19, 13.892, 121.842** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **12, 14.819, 305.821**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 13.693, 121.276**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 17.157, 121.417**, and if you desaturate by 10%, it is **19, 10.552, 122.294**.

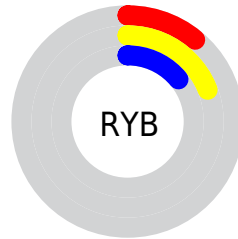
Distribution



Red (16%)

Green (19%)

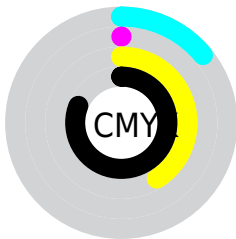
Blue (11%)



Red (11%)

Yellow (19%)

Blue (14%)

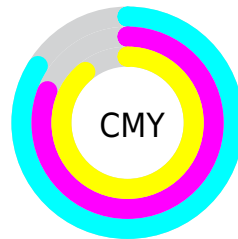


Cyan (14%)

Magenta (0%)

Yellow (41%)

Black (81%)



Cyan (84%)

Magenta (81%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 13.892, 121.842 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, 13.892, 121.842 by changing the saturation by 10% instead.

■ 19, 13.892,
121.842

■ 19, 13.892,
121.842

■ 100, 13.892,
121.842

■ 9, 13.892, 121.842

■ 39, 13.892,
121.842

■ 0, 13.892, 121.842

■ 49, 13.892,
121.842


■ 59, 13.892,
121.842


■ 69, 13.892,
121.842


■ 79, 13.892,
121.842


■ 89, 13.892,


121.842


 99, 13.892,
121.842

 19, 13.892,
121.842


 19, 13.892,
121.842

 19, 17.157,
121.417


 19, 10.552,
122.294

 19, 20.302,
121.038


 20, 7.167, 122.751

 18, 23.169,
120.887

 20, 3.758, 123.203

 18, 25.506,
121.207

 20, 0.344, 123.704

 18, 27.665,
121.627

 21, 6.455, 304.439

■ 18, 29.616,
121.967

■ 21, 9.824, 304.812

■ 22, 13.165,
305.160

■ 22, 16.473,
305.485

Harmonies

Complementary

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



19, 13.892, 121.842



12, 14.819, 305.821

Rectangle

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



19, 13.892, 121.842



19, 13.892, 171.842



19, 13.892, 301.842



19, 13.892, 351.842

Sweetspot

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



19, 13.893, 121.844



27, 5.131, 123.129



15, 8.609, 55.023



12, 3.440, 123.129



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, 13.893, 121.844



25, 20.642, 121.388



18, 15.942, 138.323



9, 1.957, 123.341



34, 47.898, 121.095



79, 91.960, 122.380

Inverse Universe

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



12, 14.819, 305.821



15, 22.466, 306.504



14, 16.110, 321.836



8, 1.983, 304.012



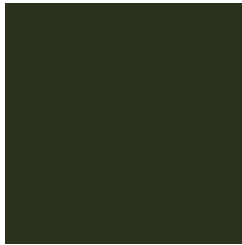
9, 59.296, 309.793



31, 113.975, 308.935

Previews

White Background



This preview shows how the CIELCh color 19, 13.892, 121.842 looks on a white background.

Color Contrast Check

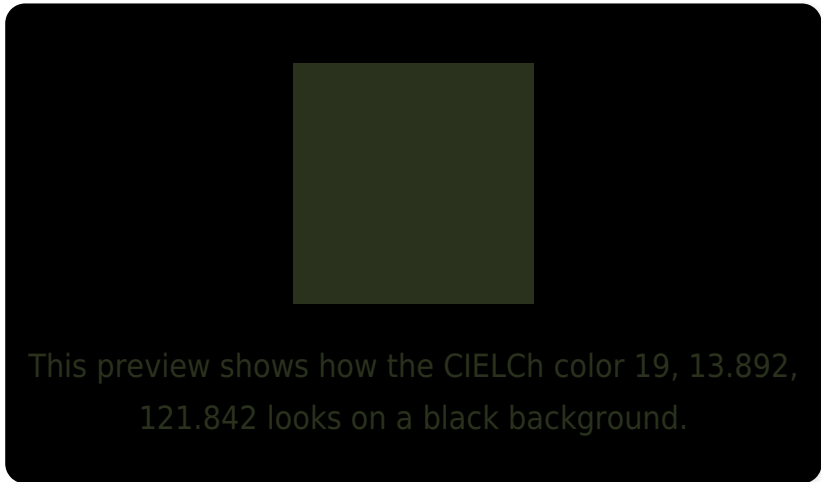
Large Text (above 18pt) WCAG AA ✓ Pass

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

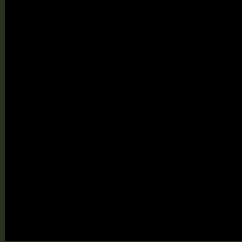
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

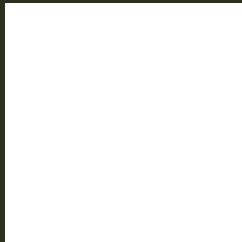
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 19, 13.892, 121.842

Background



This preview shows how black text looks on a background with the CIELCh color 19, 13.892, 121.842.

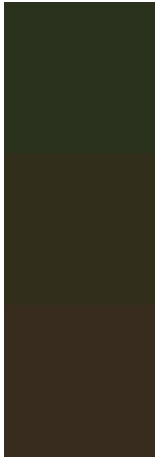


This preview shows how white text looks on a background with the CIELCh color 19, 13.892, 121.842.

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

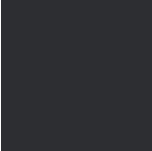
19, 13.892, 121.842

Protanopia

19, 12.368, 97.235

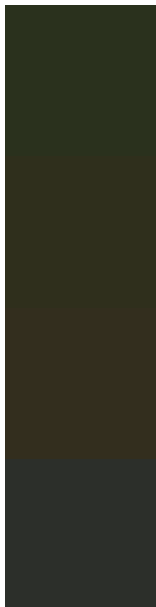
Deuteranopia

19, 11.600, 74.336



Tritanopia
19, 2.774, 281.410

Trichromacy



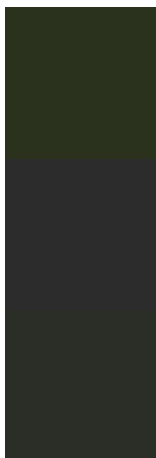
Original Color
19, 13.892, 121.842

Protanomaly
19, 12.797, 106.976

Deuteranomaly
19, 11.177, 93.836

Tritanomaly
19, 3.719, 132.131

Monochromacy



Original Color
19, 13.892, 121.842

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 5.677, 123.865

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 13.892, 121.842 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(42, 49, 29)` looks like.

```
.text, #text, p{  
    color:rgb(42, 49, 29)  
}
```

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(42, 49, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 49, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 13.892, 121.842 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(42, 49, 29) }
```

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

```
.border{ border-color:rgb(42, 49, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 49, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 49, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 49, 29);  
box-shadow:4px 4px 4px 4px rgb(42, 49, 29)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 13.892, 121.842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 49, 29) }
```

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

```
.background{ background-color: rgb(42, 49,  
29) }
```

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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