

Converting Colors

CIELCh(19, 10.946, 129.055)

Have a look what the booklet for
CIELCh(19, 10.946, 129.055)
contains.

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Color

CIELCh(19, 10.912, 129.075)

Conversions

Conversions Part 1

Format	Color
Hex	293122
RGB	41, 49, 34
RGB Percent	16%, 19%, 13%
CMY	0.8405, 0.8092, 0.8679
CMYK	0.16, 0.00, 0.31, 0.81
HSL	92°, 18%, 16%
HSV	92°, 31%, 19%
XYZ	2.2697, 2.7468, 1.8998
YIQ	44.8980, 0.0470, -6.3610

Conversions

Conversions Part 2

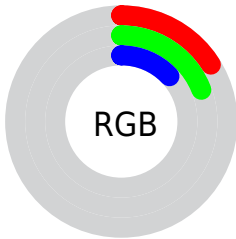
Format	Color
R_YB	34, 49, 42
Decimal	2699554
CIE Lab	19.00, -6.88, 8.47
CIE LCh	19, 10.912, 129.075
Yxy	2.7468, 0.3282, 0.3971
Android (android.graphics.Color)	4280889634 (0xFF293122)
YUV	44.8980, -5.3727, -3.4185
Hunter-Lab	16.5735, -4.5585, 4.8051

Details

The CIELCh color **19, 10.912, 129.075** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **15, 11.272, 311.406**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 11.078, 129.358**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 14.417, 128.674**, and if you desaturate by 10%, it is **19, 7.372, 129.474**.

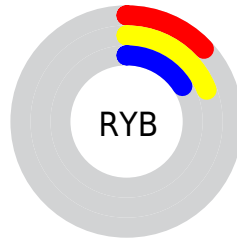
Distribution



Red (16%)

Green (19%)

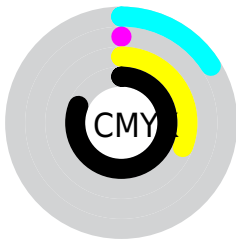
Blue (13%)



Red (13%)

Yellow (19%)

Blue (16%)

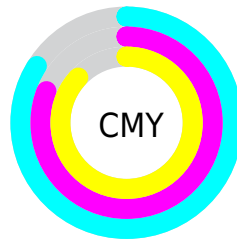


Cyan (16%)

Magenta (0%)

Yellow (31%)

Black (81%)



Cyan (84%)

Magenta (81%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 10.912, 129.075 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, 10.912, 129.075 by changing the saturation by 10% instead.

■ 19, 10.912,
129.075

■ 19, 10.912,
129.075

■ 100, 10.912,
129.075

■ 9, 10.912, 129.075

■ 39, 10.912,
129.075

■ 0, 10.912, 129.075

■ 49, 10.912,
129.075


■ 59, 10.912,
129.075


■ 69, 10.912,
129.075


■ 79, 10.912,
129.075


■ 89, 10.912,

129.075


 99, 10.912,
129.075

 19, 10.912,
129.075


 19, 10.912,
129.075

 19, 14.417,
128.674


 19, 7.372, 129.474

 18, 17.852,
128.281


 20, 3.821, 129.860


 18, 21.173,
127.922

 20, 0.276, 130.379

 18, 24.220,
127.816

 21, 6.740, 310.836

 18, 26.751,
128.230

 21, 10.193,
311.119

■ 17, 29.098,
128.715

■ 22, 13.602,
311.375

■ 17, 31.266,
129.063

■ 22, 16.961,
311.608

■ 23, 20.269,
311.818

Harmonies

Complementary

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



19, 10.912, 129.075



15, 11.272, 311.406

Rectangle

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



19, 10.912, 129.075



19, 10.912, 179.075



19, 10.912, 309.075



19, 10.912, 359.075

Sweetspot

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



19, 10.913, 129.077



27, 3.997, 129.909



17, 6.622, 75.685



12, 2.808, 129.891



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, 10.913, 129.077



25, 16.419, 128.743



18, 12.289, 143.615



9, 2.032, 129.974



33, 50.652, 127.914



77, 97.699, 129.280

Inverse Universe

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



15, 11.272, 311.406



19, 17.121, 311.754



15, 12.295, 326.750



8, 2.054, 310.509



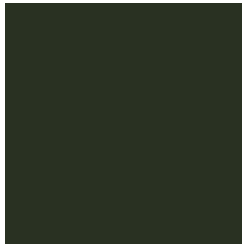
12, 57.192, 313.510



35, 109.698, 312.568

Previews

White Background



This preview shows how the CIE LCh color 19, 10.912, 129.075 looks on a white background.

Color Contrast Check

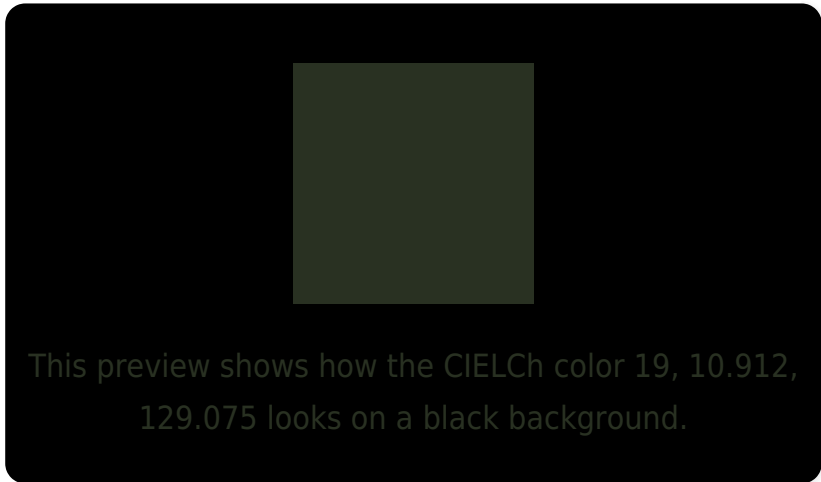
Large Text (above 18pt) WCAG AA ✓ Pass

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, 10.912, 129.075

Background



This preview shows how black text looks on a background with the CIELCh color 19, 10.912, 129.075.

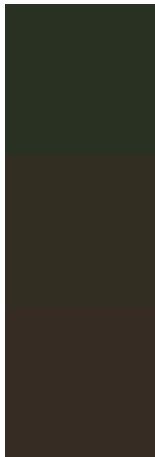


This preview shows how white text looks on a background with the CIELCh color 19, 10.912, 129.075.

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, 10.912, 129.075

Protanopia

19, 9.084, 94.797

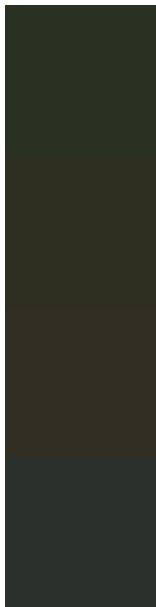
Deuteranopia

19, 8.097, 68.945



Tritanopia
19, 2.705, 248.780

Trichromacy



Original Color
19, 10.912, 129.075

Protanomaly
19, 9.486, 107.814

Deuteranomaly
19, 7.647, 96.751

Tritanomaly
19, 3.955, 154.948

Monochromacy



Original Color
19, 10.912, 129.075

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 3.731, 132.125

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 10.912, 129.075 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, 34)` looks like.

```
.text, #text, p{  
    color:rgb(41, 49, 34)  
}
```

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, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 49, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 10.912, 129.075 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, 34) }
```

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

```
.border{ border-color:rgb(41, 49, 34) }
```

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, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 49, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 49, 34);  
box-shadow:4px 4px 4px 4px rgb(41, 49, 34)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 10.912, 129.075 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, 34) }
```

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

```
.background{ background-color: rgb(41, 49,  
34) }
```

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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