

Converting Colors

CIELCh(19, 22.118, 137.706)

Have a look what the booklet for
CIELCh(19, 22.118, 137.706)
contains.

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Color

CIELCh(19, 21.969, 137.668)

Conversions

Conversions Part 1

Format	Color
Hex	1C3418
RGB	28, 52, 24
RGB Percent	11%, 20%, 9%
CMY	0.8910, 0.7969, 0.9066
CMYK	0.46, 0.00, 0.54, 0.80
HSL	111°, 37%, 15%
HSV	111°, 54%, 20%
XYZ	1.8551, 2.7468, 1.2863
YIQ	41.6320, -5.3160, -13.7960

Conversions

Conversions Part 2

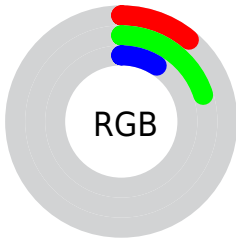
Format	Color
R_{YB}	24, 52, 48
Decimal	1848344
CIE _{Lab}	19.00, -16.24, 14.79
CIE _{LCh}	19, 21.969, 137.668
Yxy	2.7468, 0.3151, 0.4665
Android (android.graphics.Color)	4280038424 (0xFF1C3418)
YUV	41.6320, -8.6926, -11.9553
Hunter-Lab	16.5735, -9.0238, 6.9998

Details

The CIELCh color **19, 21.969, 137.668** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **13, 22.213, 322.533**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 22.454, 137.565**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 25.718, 137.012**, and if you desaturate by 10%, it is **19, 18.033, 138.304**.

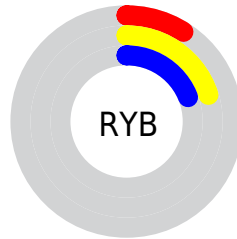
Distribution



Red (11%)

Green (20%)

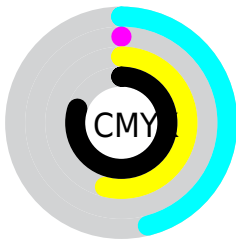
Blue (9%)



Red (9%)

Yellow (20%)

Blue (19%)

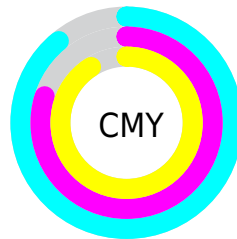


Cyan (46%)

Magenta (0%)

Yellow (54%)

Black (80%)



Cyan (89%)

Magenta (80%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 21.969, 137.668 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, 21.969, 137.668 by changing the saturation by 10% instead.

■ 19, 21.969,
137.668

■ 19, 21.969,
137.668

■ 100, 21.969,
137.668

■ 9, 21.969, 137.668

■ 39, 21.969,
137.668

■ 0, 21.969, 137.668

■ 49, 21.969,
137.668

■ 59, 21.969,
137.668

■ 69, 21.969,
137.668

■ 79, 21.969,
137.668


■ 89, 21.969,


137.668


 99, 21.969,
137.668


 19, 21.969,
137.668


 19, 21.969,
137.668

 19, 25.718,
137.012


 19, 18.033,
138.304

 18, 29.106,
136.538


 20, 13.980,
138.898

 18, 31.899,
136.511

 20, 9.869, 139.440

 18, 34.479,
136.362

 21, 5.744, 139.930

 18, 36.002,
136.227

 21, 1.638, 140.398

 22, 2.422, 320.687

■ 23, 6.418, 321.041

■ 23, 10.337,
321.336

■ 24, 14.170,
321.591

Harmonies

Complementary

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



19, 21.969, 137.668



13, 22.213, 322.533

Rectangle

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



19, 21.969, 137.668



19, 21.969, 187.668



19, 21.969, 317.668



19, 21.969, 7.668

Sweetspot

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



19, 21.969, 137.669



27, 8.068, 139.800



20, 16.038, 98.139



12, 5.329, 139.791



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, 21.969, 137.669



25, 31.896, 136.741



19, 17.771, 152.121



9, 2.225, 140.223



32, 54.650, 134.621



76, 104.937, 135.313

Inverse Universe

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



13, 22.213, 322.533



15, 32.208, 322.927



13, 18.077, 340.129



8, 2.234, 320.795



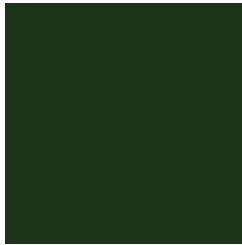
17, 54.273, 323.141



46, 103.399, 322.718

Previews

White Background



This preview shows how the CIELCh color 19, 21.969, 137.668 looks on a white background.

Color Contrast Check

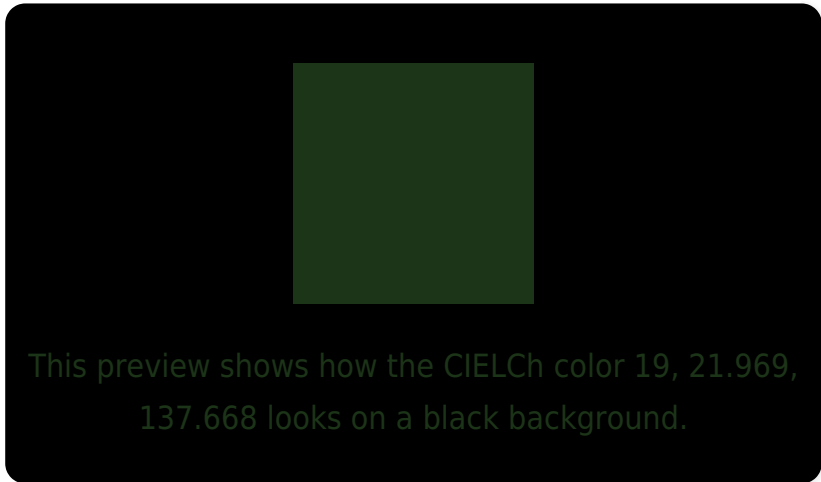
Large Text (above 18pt) WCAG AA ✓ Pass

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

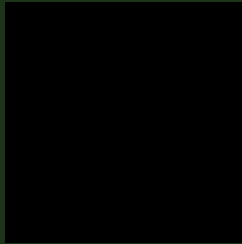
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 21.969, 137.668

Background



This preview shows how black text looks on a background with the CIELCh color 19, 21.969, 137.668.



This preview shows how white text looks on a background with the CIELCh color 19, 21.969, 137.668.

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, 21.969, 137.668

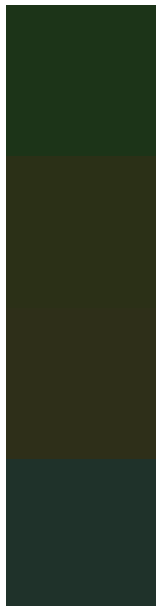
Protanopia
19, 16.313, 96.512

Deuteranopia
19, 13.980, 79.316



Tritanopia
19, 7.125, 221.006

Trichromacy



Original Color

19, 21.969, 137.668

Protanomaly

19, 16.837, 115.086

Deuteranomaly

19, 14.754, 108.542

Tritanomaly

19, 10.253, 165.048

Monochromacy



Original Color

19, 21.969, 137.668

Achromatopsia

17, 0.003, 296.813

Achromatomaly

17, 8.212, 140.727

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 21.969, 137.668 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(28, 52, 24)` looks like.

```
.text, #text, p{  
    color:rgb(28, 52, 24)  
}
```

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(28, 52, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 52, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 21.969, 137.668 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(28, 52, 24) }
```

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

```
.border{ border-color:rgb(28, 52, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 52, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 52, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 52, 24);  
box-shadow:4px 4px 4px 4px rgb(28, 52, 24)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 21.969, 137.668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 52, 24) }
```

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

```
.background{ background-color: rgb(28, 52,  
24) }
```

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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