

Converting Colors

CIELCh(19, 13.114, 22.564)

Have a look what the booklet for
CIELCh(19, 13.114, 22.564) contains.

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Color

CIELCh(19, 13.270, 22.573)

Conversions

Conversions Part 1

Format	Color
Hex	412727
RGB	65, 39, 39
RGB Percent	25%, 15%, 15%
CMY	0.7441, 0.8461, 0.8462
CMYK	0.00, 0.40, 0.40, 0.74
HSL	0°, 25%, 20%
HSV	0°, 40%, 26%
XYZ	3.3000, 2.7468, 2.2956
YIQ	46.7740, 15.4960, 5.5120

Conversions

Conversions Part 2

Format	Color
R_{YB}	65, 39, 39
Decimal	4269863
CIE Lab	19.00, 12.25, 5.09
CIE LCh	19, 13.270, 22.573
Yxy	2.7468, 0.3956, 0.3293
Android (android.graphics.Color)	4282459943 (0xFF412727)
YUV	46.7740, -3.8326, 15.9842
Hunter-Lab	16.5735, 6.5379, 3.3893

Details

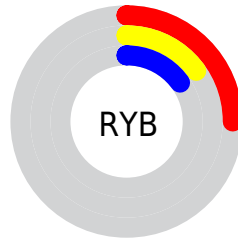
The CIELCh color **19, 13.270, 22.573** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **26, 10.399, 197.734**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 13.394, 21.334**, and **1, 5.526, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **17, 17.094, 23.957**, and if you desaturate by 10%, it is **21, 9.626, 21.485**.

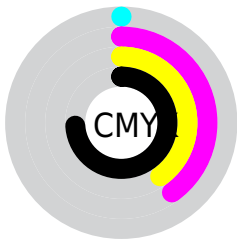
Distribution



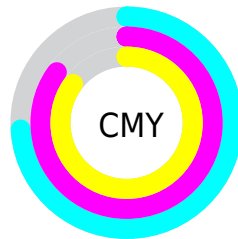
- Red (25%)
- Green (15%)
- Blue (15%)



- Red (25%)
- Yellow (15%)
- Blue (15%)



- Cyan (0%)
- Magenta (40%)
- Yellow (40%)
- Black (74%)



- Cyan (74%)
- Magenta (85%)
- Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 13.270, 22.573 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, 13.270, 22.573 by changing the saturation by 10% instead.

 19, 13.270, 22.573

 19, 13.270, 22.573

 100, 13.270,
22.573

 9, 13.270, 22.573

 39, 13.270, 22.573

 0, 13.270, 22.573

 49, 13.270, 22.573

 59, 13.270, 22.573

 69, 13.270, 22.573

 79, 13.270, 22.573

 89, 13.270, 22.573

 99, 13.270, 22.573

19, 13.270, 22.573

19, 13.270, 22.573

17, 17.094, 23.957

21, 9.626, 21.485

15, 21.050, 25.699

23, 6.191, 20.613

14, 25.016, 27.688

25, 2.973, 19.886

12, 28.419, 28.411

28, 0.033, 206.917

11, 31.173, 28.323

30, 2.839, 199.069

10, 34.020, 27.766

32, 5.460, 198.667

10, 34.054, 27.757

35, 7.915, 198.357

37, 10.220,
198.105

39, 12.391,
197.897

Harmonies

Complementary

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



19, 13.270, 22.573



26, 10.399, 197.734

Rectangle

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



19, 13.270, 22.573



19, 13.270, 72.573



19, 13.270, 202.573



19, 13.270, 252.573

Sweetspot

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



19, 13.269, 22.577



32, 4.500, 20.068



20, 20.739, 326.323



15, 3.015, 20.093



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



19, 13.269, 22.577



23, 20.329, 23.973



23, 11.016, 71.061



12, 1.687, 19.792



18, 48.291, 35.267



47, 94.943, 40.002

Inverse Universe

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



26, 10.399, 197.734



33, 14.839, 197.395



21, 9.983, 261.176



12, 1.610, 199.115



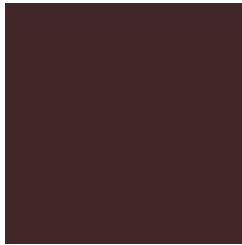
37, 24.662, 196.417



81, 45.487, 196.419

Previews

White Background



This preview shows how the CIE LCh color 19, 13.270, 22.573 looks on a white background.

Color Contrast Check

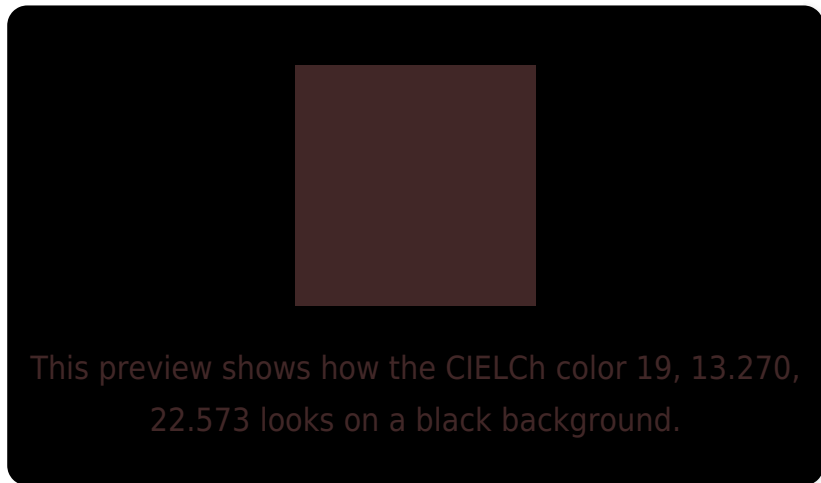
Large Text (above 18pt) WCAG AA ✓ Pass

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

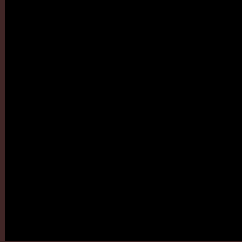
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 13.270, 22.573

Background



This preview shows how black text looks on a background with the CIELCh color 19, 13.270, 22.573.

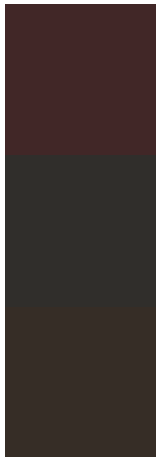


This preview shows how white text looks on a background with the CIELCh color 19, 13.270, 22.573.

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, 13.270, 22.573

Protanopia

19, 2.259, 84.288

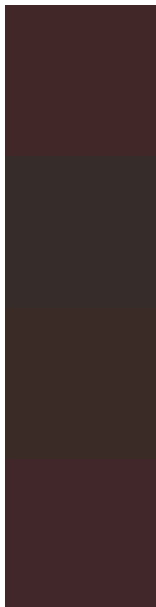
Deuteranopia

19, 6.645, 65.550



Tritanopia
19, 13.105, 13.814

Trichromacy



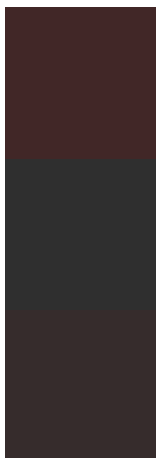
Original Color
19, 13.270, 22.573

Protanomaly
19, 5.147, 35.679

Deuteranomaly
19, 8.467, 44.387

Tritanomaly
19, 13.123, 16.756

Monochromacy



Original Color
19, 13.270, 22.573

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 4.887, 20.440

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 13.270, 22.573 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(65, 39, 39)` looks like.

```
.text, #text, p{  
    color:rgb(65, 39, 39)  
}
```

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(65, 39, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 39, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 13.270, 22.573 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(65, 39, 39) }
```

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

```
.border{ border-color:rgb(65, 39, 39) }
```

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

Here you see how a box with a 4 pixel rgb(65, 39, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 39, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 39, 39);  
box-shadow:4px 4px 4px 4px rgb(65, 39, 39)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 13.270, 22.573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 39, 39) }
```

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

```
.background{ background-color: rgb(65, 39,  
39) }
```

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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