

Converting Colors

CIELCh(18, 10.774, 29.682)

Have a look what the booklet for
CIELCh(18, 10.774, 29.682) contains.

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Color

CIELCh(18, 10.419, 29.232)

Conversions

Conversions Part 1

Format	Color
Hex	3B2725
RGB	59, 39, 37
RGB Percent	23%, 15%, 15%
CMY	0.7685, 0.8469, 0.8548
CMYK	0.00, 0.34, 0.37, 0.77
HSL	5°, 23%, 19%
HSV	5°, 37%, 23%
XYZ	2.8670, 2.5180, 2.0880
YIQ	44.7520, 12.5620, 3.6180

Conversions

Conversions Part 2

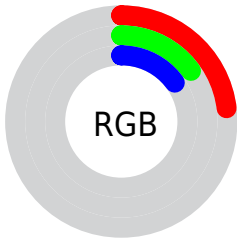
Format	Color
R _Y B	59, 39, 37
Decimal	3876645
CIE Lab	18.00, 9.09, 5.09
CIE LCh	18, 10.419, 29.232
Yxy	2.5180, 0.3836, 0.3370
Android (android.graphics.Color)	4282066725 (0xFF3B2725)
YUV	44.7520, -3.8217, 12.4955
Hunter-Lab	15.8683, 4.4805, 3.3064

Details

The CIELCh color **18, 10.419, 29.232** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **22, 8.276, 207.392**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 10.366, 27.560**, and **0, 0.277, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **16, 13.671, 30.044**, and if you desaturate by 10%, it is **20, 7.359, 28.623**.

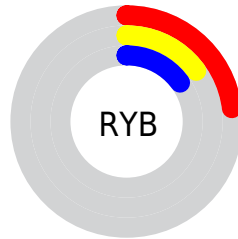
Distribution



 Red (23%)

 Green (15%)

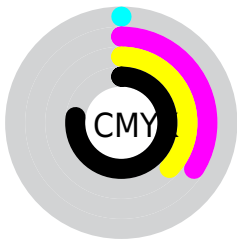
 Blue (15%)



 Red (23%)

 Yellow (15%)

 Blue (15%)

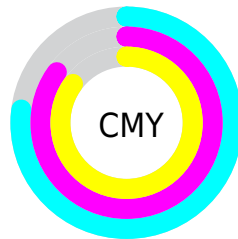


 Cyan (0%)

 Magenta (34%)

 Yellow (37%)

 Black (77%)



 Cyan (77%)

 Magenta (85%)

 Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 10.419, 29.232 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 18, 10.419, 29.232 by changing the saturation by 10% instead.

 18, 10.419, 29.232

 18, 10.419, 29.232

 100, 10.419,
29.232

 8, 10.419, 29.232

 38, 10.419, 29.232

 0, 10.419, 29.232

 48, 10.419, 29.232

 58, 10.419, 29.232

 68, 10.419, 29.232

 78, 10.419, 29.232

 88, 10.419, 29.232

 98, 10.419, 29.232

■ 18, 10.419, 29.232

■ 18, 10.419, 29.232

■ 16, 13.671, 30.044

■ 20, 7.359, 28.623

■ 15, 17.102, 31.090

■ 22, 4.498, 28.154

■ 13, 20.618, 32.153

■ 24, 1.827, 27.754

■ 12, 23.726, 31.794

■ 25, 0.663, 208.011

■ 11, 26.336, 30.706

■ 27, 2.987, 207.583

■ 10, 28.707, 30.186

■ 29, 5.159, 207.457

■ 9, 29.373, 30.004

■ 31, 7.196, 207.397

■ 33, 9.111, 207.379

■ 35, 10.918,
207.390

Harmonies

Complementary

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



18, 10.419, 29.232



22, 8.276, 207.392

Rectangle

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



18, 10.419, 29.232



18, 10.419, 79.232



18, 10.419, 209.232



18, 10.419, 259.232

Sweetspot

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



18, 10.418, 29.237



30, 3.484, 27.926



18, 16.886, 328.614



14, 2.300, 27.937



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



18, 10.418, 29.237



22, 16.145, 30.025



21, 9.864, 79.663



10, 1.444, 27.806



18, 45.820, 37.649



47, 92.809, 40.883

Inverse Universe

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



22, 8.276, 207.392



29, 11.946, 207.495



19, 9.433, 269.082



11, 1.378, 207.660



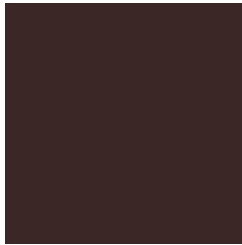
33, 21.832, 211.265



74, 40.431, 212.610

Previews

White Background



This preview shows how the CIELCh color 18, 10.419, 29.232 looks on a white background.

Color Contrast Check

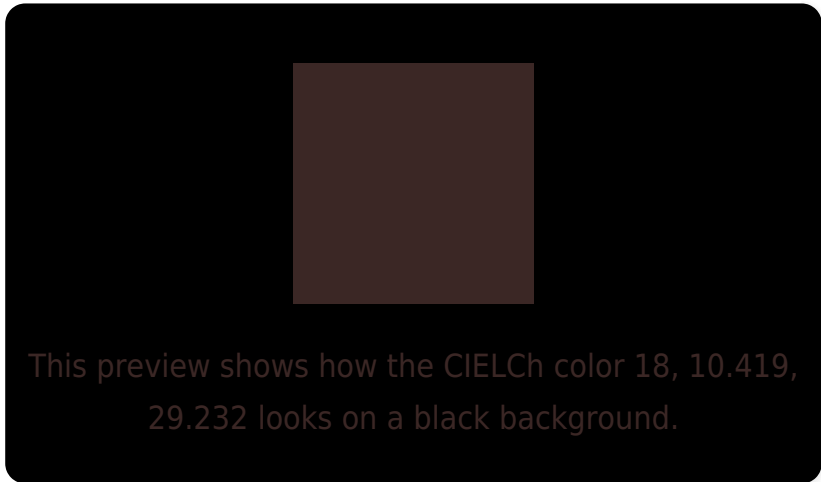
Large Text (above 18pt) WCAG AA ✓ Pass

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

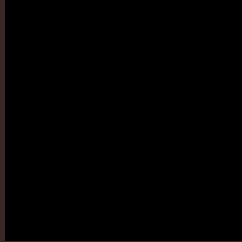
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 10.419, 29.232

Background



This preview shows how black text looks on a background with the CIELCh color 18, 10.419, 29.232.

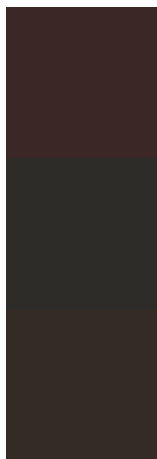


This preview shows how white text looks on a background with the CIELCh color 18, 10.419, 29.232.

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

18, 10.419, 29.232

Protanopia

18, 2.915, 89.772

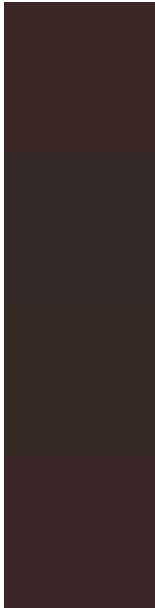
Deuteranopia

18, 6.344, 68.805



Tritanopia
18, 10.648, 11.035

Trichromacy



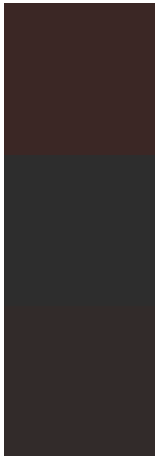
Original Color
18, 10.419, 29.232

Protanomaly
18, 4.979, 44.618

Deuteranomaly
18, 7.485, 53.569

Tritanomaly
18, 10.624, 14.697

Monochromacy



Original Color
18, 10.419, 29.232

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 3.500, 31.355

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 10.419, 29.232 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(59, 39, 37)` looks like.

```
.text, #text, p{  
    color:rgb(59, 39, 37)  
}
```

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(59, 39, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 39, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 10.419, 29.232 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(59, 39, 37) }
```

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

```
.border{ border-color:rgb(59, 39, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 39, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 39, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 39, 37);  
box-shadow:4px 4px 4px 4px rgb(59, 39, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 10.419, 29.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 39, 37) }
```

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

```
.background{ background-color: rgb(59, 39,  
37) }
```

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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