

Converting Colors

CIELCh(19, 18.505, 38.082)

Have a look what the booklet for
CIELCh(19, 18.505, 38.082) contains.

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Color

CIELCh(19, 18.659, 37.786)

Conversions

Conversions Part 1

Format	Color
Hex	46251E
RGB	70, 37, 30
RGB Percent	27%, 15%, 12%
CMY	0.7244, 0.8539, 0.8814
CMYK	0.00, 0.47, 0.57, 0.72
HSL	11°, 40%, 20%
HSV	11°, 57%, 28%
XYZ	3.4536, 2.7468, 1.5927
YIQ	46.0690, 21.9150, 4.8190

Conversions

Conversions Part 2

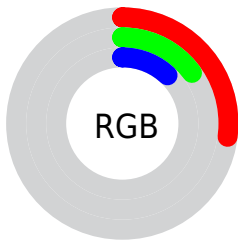
Format	Color
R_{YB}	70, 38, 30
Decimal	4597022
CIE _{Lab}	19.00, 14.75, 11.43
CIE _{LCh}	19, 18.659, 37.786
Yxy	2.7468, 0.4432, 0.3525
Android (android.graphics.Color)	4282787102 (0xFF46251E)
YUV	46.0690, -7.9220, 20.9875
Hunter-Lab	16.5735, 8.1925, 5.9039

Details

The CIELCh color **19, 18.659, 37.786** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **25, 12.633, 219.337**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 18.471, 36.874**, and **2, 7.329, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **17, 22.671, 38.561**, and if you desaturate by 10%, it is **21, 14.847, 37.229**.

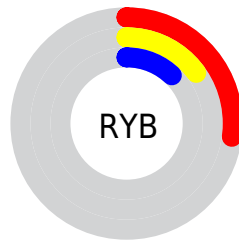
Distribution



Red (27%)

Green (15%)

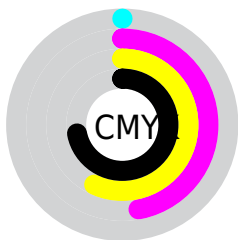
Blue (12%)



Red (27%)

Yellow (15%)

Blue (12%)

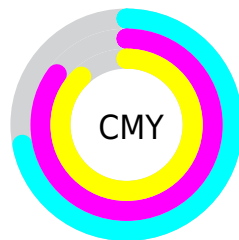


Cyan (0%)

Magenta (47%)

Yellow (57%)

Black (72%)



Cyan (72%)

Magenta (85%)

Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 18.659, 37.786 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, 18.659, 37.786 by changing the saturation by 10% instead.

 19, 18.659, 37.786

 19, 18.659, 37.786

 100, 18.659,
37.786

 9, 18.659, 37.786

 39, 18.659, 37.786

 0, 18.659, 37.786

 49, 18.659, 37.786

 59, 18.659, 37.786

 69, 18.659, 37.786

 79, 18.659, 37.786

 89, 18.659, 37.786

 99, 18.659, 37.786

■ 19, 18.659, 37.786

■ 19, 18.659, 37.786

■ 17, 22.671, 38.561

■ 21, 14.847, 37.229

■ 16, 26.644, 39.065

■ 23, 11.264, 36.852

■ 15, 29.882, 38.102

■ 24, 7.917, 36.628

■ 13, 32.700, 37.318

■ 26, 4.800, 36.518

■ 13, 33.505, 37.263

■ 28, 1.901, 36.447

■ 30, 0.797, 217.000

■ 33, 3.311, 216.901

■ 35, 5.661, 217.061

■ 37, 7.864, 217.274

Harmonies

Complementary

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



19, 18.659, 37.786



25, 12.633, 219.337

Rectangle

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



19, 18.659, 37.786



19, 18.659, 87.786



19, 18.659, 217.786



19, 18.659, 267.786

Sweetspot

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



19, 18.658, 37.790



35, 6.015, 36.523



18, 27.511, 332.609



16, 3.975, 36.528



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



19, 18.658, 37.790



23, 29.061, 38.909



25, 18.836, 84.403



13, 1.548, 36.466



20, 46.800, 41.032



49, 92.151, 42.500

Inverse Universe

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



25, 12.633, 219.337



32, 17.485, 221.011



18, 18.761, 280.456



13, 1.476, 216.869



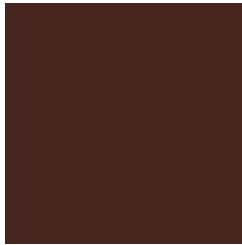
32, 21.826, 227.950



70, 39.922, 230.642

Previews

White Background



This preview shows how the CIELCh color 19, 18.659, 37.786 looks on a white background.

Color Contrast Check

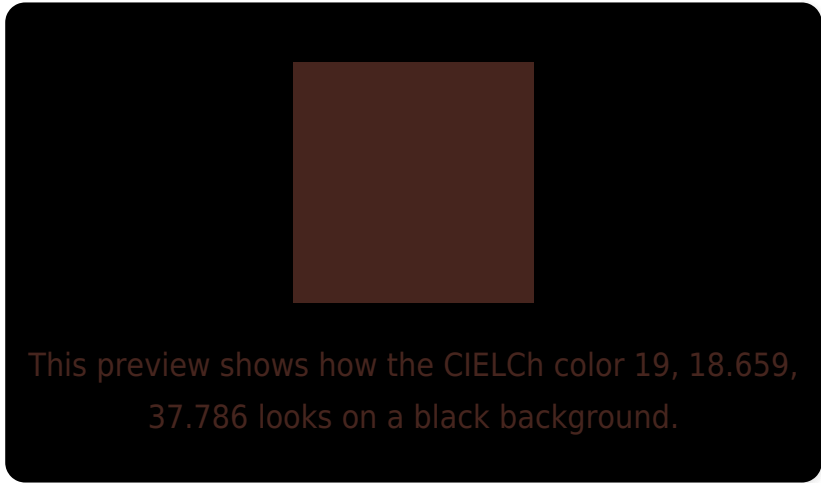
Large Text (above 18pt) WCAG AA ✓ Pass

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

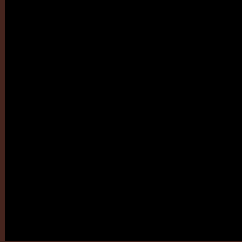
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 18.659, 37.786

Background



This preview shows how black text looks on a background with the CIELCh color 19, 18.659, 37.786.

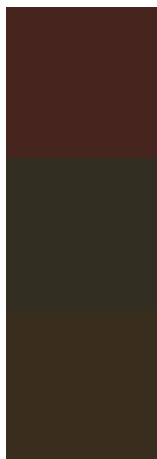


This preview shows how white text looks on a background with the CIELCh color 19, 18.659, 37.786.

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, 18.659, 37.786

Protanopia

19, 8.948, 98.078

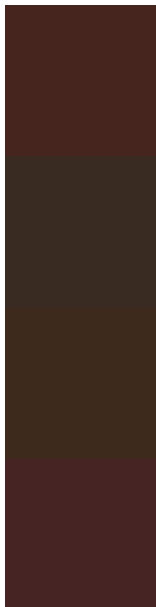
Deuteranopia

19, 12.732, 77.180



Tritanopia
19, 17.801, 17.610

Trichromacy



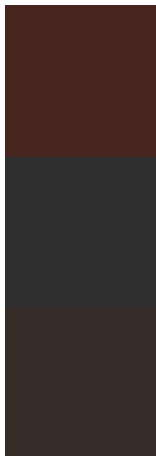
Original Color
19, 18.659, 37.786

Protanomaly
19, 10.169, 62.112

Deuteranomaly
19, 14.238, 58.745

Tritanomaly
19, 18.134, 23.963

Monochromacy



Original Color
19, 18.659, 37.786

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 6.397, 39.167

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 18.659, 37.786 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(70, 37, 30)` looks like.

```
.text, #text, p{  
    color:rgb(70, 37, 30)  
}
```

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(70, 37, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 37, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 18.659, 37.786 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(70, 37, 30) }
```

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

```
.border{ border-color:rgb(70, 37, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 37, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 37, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 37, 30);  
box-shadow:4px 4px 4px 4px rgb(70, 37, 30)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 18.659, 37.786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 37, 30) }
```

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

```
.background{ background-color: rgb(70, 37,  
30) }
```

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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