

Converting Colors

CIElCh(19, 11.237, 5.737)

Have a look what the booklet for
CIELCh(19, 11.237, 5.737) contains.

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Color

CIELCh(19, 11.233, 4.679)

Conversions

Conversions Part 1

Format	Color
Hex	3E282D
RGB	62, 40, 45
RGB Percent	24%, 16%, 18%
CMY	0.7563, 0.8426, 0.8230
CMYK	0.00, 0.35, 0.27, 0.76
HSL	346°, 22%, 20%
HSV	346°, 35%, 24%
XYZ	3.2362, 2.7468, 2.8566
YIQ	47.1480, 11.5070, 6.2190

Conversions

Conversions Part 2

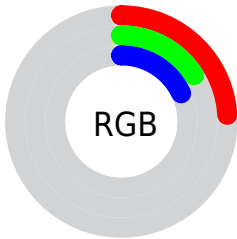
Format	Color
R_{YB}	62, 40, 45
Decimal	4073517
CIE Lab	19.00, 11.20, 0.92
CIE LCh	19, 11.233, 4.679
Yxy	2.7468, 0.3661, 0.3107
Android (android.graphics.Color)	4282263597 (0xFF3E282D)
YUV	47.1480, -1.0590, 13.0252
Hunter-Lab	16.5735, 5.8509, 1.3822

Details

The CIELCh color **19, 11.233, 4.679** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 9.983, 178.262**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 11.403, 2.470**, and **1, 4.733, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **17, 14.605, 6.081**, and if you desaturate by 10%, it is **21, 7.919, 3.497**.

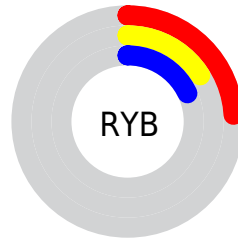
Distribution



Red (24%)

Green (16%)

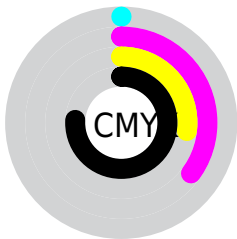
Blue (18%)



Red (24%)

Yellow (16%)

Blue (18%)

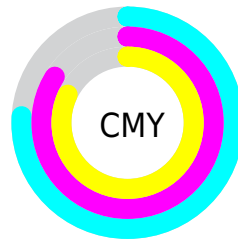


Cyan (0%)

Magenta (35%)

Yellow (27%)

Black (76%)



Cyan (76%)

Magenta (84%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 11.233, 4.679 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, 11.233, 4.679 by changing the saturation by 10% instead.

 19, 11.233, 4.679  19, 11.233, 4.679

 100, 11.233, 4.679  9, 11.233, 4.679

 39, 11.233, 4.679  0, 11.233, 4.679

 49, 11.233, 4.679

 59, 11.233, 4.679

 69, 11.233, 4.679

 79, 11.233, 4.679

 89, 11.233, 4.679

 99, 11.233, 4.679

 19, 11.233, 4.679  19, 11.233, 4.679

17, 14.605, 6.081

21, 7.919, 3.497

15, 17.976, 7.758

23, 4.707, 2.468

14, 21.259, 9.798

25, 1.618, 1.502

12, 24.350, 12.301

27, 1.338, 181.029

11, 27.137, 15.204

29, 4.159, 180.231

10, 29.891, 16.672

32, 6.851, 179.593

9, 31.223, 16.747

34, 9.421, 179.026

36, 11.876,
178.512

38, 14.227,
178.042

Harmonies

Complementary

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



19, 11.233, 4.679



24, 9.983, 178.262

Rectangle

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



19, 11.233, 4.679



19, 11.233, 54.679



19, 11.233, 184.679



19, 11.233, 234.679

Sweetspot

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



19, 11.232, 4.682



32, 4.180, 2.095



19, 16.752, 319.143



15, 2.763, 2.128



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



19, 11.232, 4.682



24, 16.916, 5.857



21, 9.195, 46.134



10, 1.649, 1.801



18, 42.886, 23.239



47, 82.691, 28.078

Inverse Universe

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



19, 11.232, 4.682



24, 16.916, 5.857



23, 7.543, 230.018



10, 1.649, 1.801



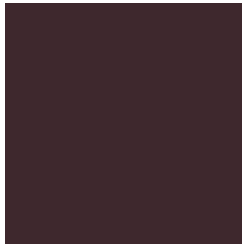
18, 42.886, 23.239



47, 82.691, 28.078

Previews

White Background



This preview shows how the CIE LCh color 19, 11.233, 4.679 looks on a white background.

Color Contrast Check

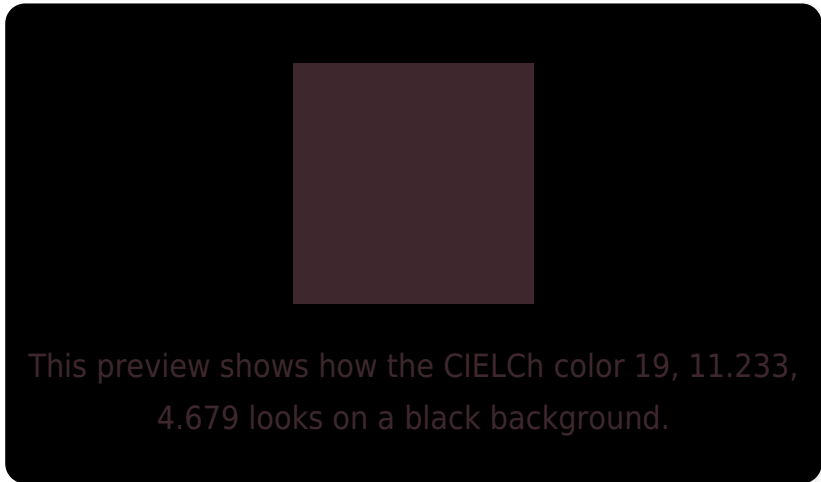
Large Text (above 18pt) WCAG AA ✓ Pass

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

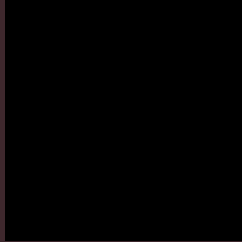
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 11.233, 4.679

Background



This preview shows how black text looks on a background with the CIELCh color 19, 11.233, 4.679.

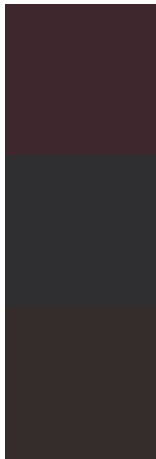


This preview shows how white text looks on a background with the CIELCh color 19, 11.233, 4.679.

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, 11.233, 4.679

Protanopia

19, 2.116, 303.314

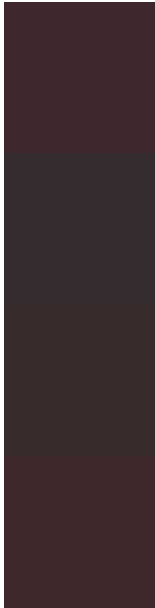
Deuteranopia

19, 3.473, 31.342



Tritanopia
19, 11.065, 11.561

Trichromacy



Original Color

19, 11.233, 4.679

Protanomaly

19, 5.077, 348.016

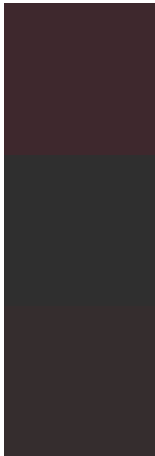
Deuteranomaly

19, 6.406, 14.761

Tritanomaly

19, 11.127, 8.092

Monochromacy



Original Color

19, 11.233, 4.679

Achromatopsia

19, 0.004, 296.813

Achromatomaly

19, 3.910, 10.217

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 11.233, 4.679 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(62, 40, 45)` looks like.

```
.text, #text, p{  
    color:rgb(62, 40, 45)  
}
```

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(62, 40, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 40, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 11.233, 4.679 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(62, 40, 45) }
```

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

```
.border{ border-color:rgb(62, 40, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 40, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 40, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 40, 45);  
box-shadow:4px 4px 4px 4px rgb(62, 40, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 11.233, 4.679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 40, 45) }
```

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

```
.background{ background-color: rgb(62, 40,  
45) }
```

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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