

Converting Colors

CIELCh(19, 11.349, 28.786)

Have a look what the booklet for
CIELCh(19, 11.349, 28.786) contains.

CIELCh(19, 11.366, 28.695)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(19, 11.366, 28.695)

Conversions

Conversions Part 1

Format	Color
Hex	3F2927
RGB	63, 41, 39
RGB Percent	25%, 16%, 15%
CMY	0.7546, 0.8407, 0.8485
CMYK	0.00, 0.35, 0.38, 0.75
HSL	5°, 24%, 20%
HSV	5°, 38%, 25%
XYZ	3.1634, 2.7468, 2.2506
YIQ	47.3500, 13.7540, 4.0420

Conversions

Conversions Part 2

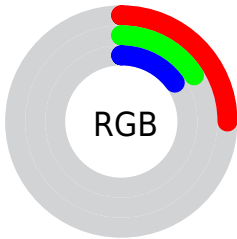
Format	Color
RYB	63, 41, 39
Decimal	4139303
CIELab	19.00, 9.97, 5.46
CIELCh	19, 11.366, 28.695
Yxy	2.7468, 0.3876, 0.3366
Android (android.graphics.Color)	4282329383 (0xFF3F2927)
YUV	47.3500, -4.1165, 13.7251
Hunter-Lab	16.5735, 5.0662, 3.5504

Details

The CIELCh color **19, 11.366, 28.695** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 8.941, 206.515**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 11.682, 26.930**, and **1, 4.733, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **17, 14.828, 29.590**, and if you desaturate by 10%, it is **21, 8.105, 28.019**.

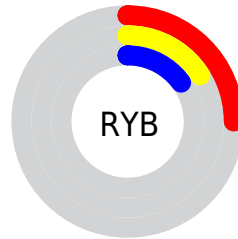
Distribution



Red (25%)

Green (16%)

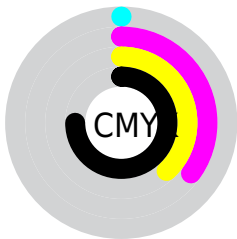
Blue (15%)



Red (25%)

Yellow (16%)

Blue (15%)

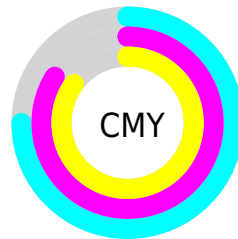


Cyan (0%)

Magenta (35%)

Yellow (38%)

Black (75%)



Cyan (75%)

Magenta (84%)

Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 11.366, 28.695 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, 11.366, 28.695 by changing the saturation by 10% instead.

 19, 11.366, 28.695

 19, 11.366, 28.695

 100, 11.366,
28.695

 9, 11.366, 28.695

 39, 11.366, 28.695

 0, 11.366, 28.695

 49, 11.366, 28.695

 59, 11.366, 28.695

 69, 11.366, 28.695

 79, 11.366, 28.695

 89, 11.366, 28.695

 99, 11.366, 28.695

■ 19, 11.366, 28.695

■ 19, 11.366, 28.695

■ 17, 14.828, 29.590

■ 21, 8.105, 28.019

■ 16, 18.474, 30.739

■ 23, 5.055, 27.497

■ 14, 22.227, 32.060

■ 25, 2.209, 27.065

■ 13, 25.556, 32.066

■ 27, 0.442, 207.463

■ 11, 28.297, 31.259

■ 29, 2.915, 206.809

■ 10, 30.776, 30.950

■ 31, 5.225, 206.650

■ 10, 31.214, 30.869

■ 33, 7.388, 206.564

■ 35, 9.421, 206.522

■ 37, 11.336,
206.512

Harmonies

Complementary

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



19, 11.366, 28.695



24, 8.941, 206.515

Rectangle

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



19, 11.366, 28.695



19, 11.366, 78.695



19, 11.366, 208.695



19, 11.366, 258.695

Sweetspot

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



19, 11.365, 28.700



32, 3.702, 27.203



19, 18.405, 328.170



15, 2.448, 27.218



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, 11.365, 28.700



24, 17.607, 29.567



23, 10.545, 77.917



10, 1.454, 27.070



18, 45.927, 37.415



47, 92.959, 40.780

Inverse Universe

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



24, 8.941, 206.515



31, 12.888, 206.592



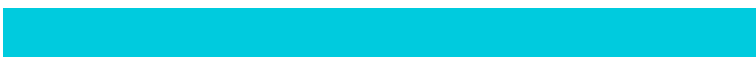
20, 9.977, 267.755



11, 1.387, 206.876



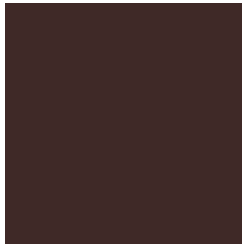
33, 21.981, 209.868



75, 40.708, 211.078

Previews

White Background



This preview shows how the CIELCh color 19, 11.366, 28.695 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



This preview shows how the CIE LCh color 19, 11.366, 28.695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

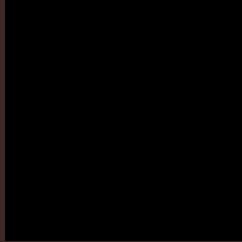
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 11.366, 28.695

Background



This preview shows how black text looks on a background with the CIELCh color 19, 11.366, 28.695.

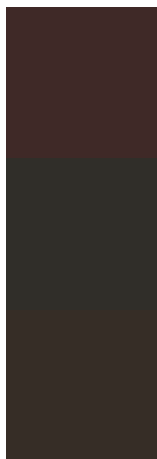


This preview shows how white text looks on a background with the CIELCh color 19, 11.366, 28.695.

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, 11.366, 28.695

Protanopia

19, 3.547, 93.268

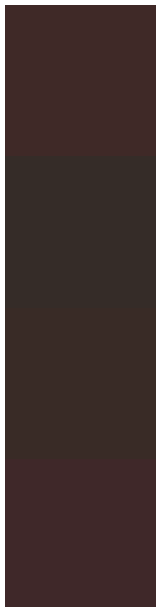
Deuteranopia

19, 6.645, 65.550



Tritanopia
19, 11.562, 12.161

Trichromacy



Original Color

19, 11.366, 28.695

Protanomaly

19, 5.291, 51.124

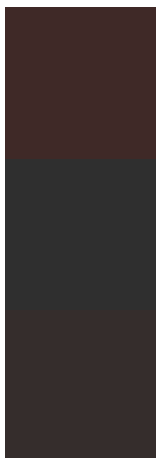
Deuteranomaly

19, 7.987, 45.819

Tritanomaly

19, 11.586, 18.837

Monochromacy



Original Color

19, 11.366, 28.695

Achromatopsia

19, 0.004, 296.813

Achromatomaly

19, 3.962, 30.034

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 11.366, 28.695 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(63, 41, 39)` looks like.

```
.text, #text, p{  
    color:rgb(63, 41, 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(63, 41, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 41, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 11.366, 28.695 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(63, 41, 39) }
```

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

```
.border{ border-color:rgb(63, 41, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 41, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 41, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 41, 39);  
box-shadow:4px 4px 4px 4px rgb(63, 41, 39)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 11.366, 28.695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 41, 39) }
```

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

```
.background{ background-color: rgb(63, 41,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor