

Converting Colors

CIELCh(18, 11.147, 11.684)

Have a look what the booklet for
CIELCh(18, 11.147, 11.684) contains.

CIELCh(18, 11.147, 11.684)	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(18, 11.147, 11.684)

Conversions

Conversions Part 1

Format	Color
Hex	3C2629
RGB	60, 38, 41
RGB Percent	24%, 15%, 16%
CMY	0.7643, 0.8506, 0.8388
CMYK	0.00, 0.37, 0.32, 0.76
HSL	352°, 22%, 19%
HSV	352°, 37%, 24%
XYZ	2.9690, 2.5180, 2.4370
YIQ	44.9200, 12.1490, 5.5970

Conversions

Conversions Part 2

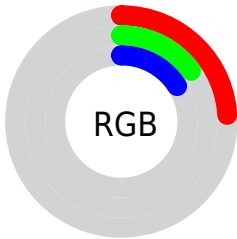
Format	Color
RYB	60, 38, 41
Decimal	3941929
CIELab	18.00, 10.92, 2.26
CIELCh	18, 11.147, 11.684
Yxy	2.5180, 0.3747, 0.3178
Android (android.graphics.Color)	4282132009 (0xFF3C2629)
YUV	44.9200, -1.9326, 13.2252
Hunter-Lab	15.8683, 5.6276, 2.0022

Details

The CIELCh color **18, 11.147, 11.684** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 9.503, 185.557**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 11.136, 11.627**, and **0, 1.386, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **16, 14.479, 13.104**, and if you desaturate by 10%, it is **20, 7.915, 10.510**.

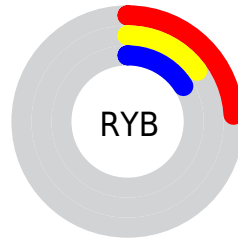
Distribution



Red (24%)

Green (15%)

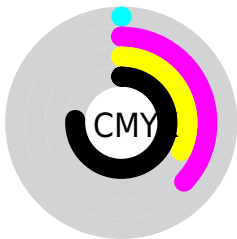
Blue (16%)



Red (24%)

Yellow (15%)

Blue (16%)

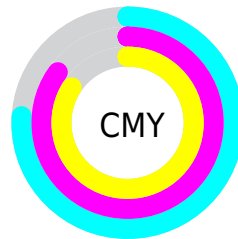


Cyan (0%)

Magenta (37%)

Yellow (32%)

Black (76%)



Cyan (76%)

Magenta (85%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 11.147, 11.684 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, 11.147, 11.684 by changing the saturation by 10% instead.

■ 18, 11.147, 11.684

■ 18, 11.147, 11.684

■ 100, 11.147,
11.684

■ 8, 11.147, 11.684

■ 38, 11.147, 11.684

■ 0, 11.147, 11.684

■ 48, 11.147, 11.684

■ 58, 11.147, 11.684

■ 68, 11.147, 11.684

■ 78, 11.147, 11.684

■ 88, 11.147, 11.684

■ 98, 11.147, 11.684

18, 11.147, 11.684

18, 11.147, 11.684

16, 14.479, 13.104

20, 7.915, 10.510

14, 17.861, 14.829

22, 4.817, 9.509

13, 21.221, 16.947

24, 1.867, 8.599

11, 24.432, 19.305

26, 0.931, 188.243

10, 27.193, 20.734

28, 3.580, 187.436

9, 29.903, 20.494

30, 6.089, 186.857

9, 30.865, 20.112

32, 8.467, 186.355

35, 10.725,
185.908

37, 12.876,
185.506

Harmonies

Complementary

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



18, 11.147, 11.684



24, 9.503, 185.557

Rectangle

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



18, 11.147, 11.684



18, 11.147, 61.684



18, 11.147, 191.684



18, 11.147, 241.684

Sweetspot

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



18, 11.146, 11.688



31, 3.956, 9.046



18, 17.164, 321.734



15, 2.685, 9.083



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



18, 11.146, 11.688



23, 17.158, 13.023



20, 9.093, 55.188



10, 1.600, 8.771



18, 44.742, 29.164



46, 87.839, 34.424

Inverse Universe

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



18, 11.146, 11.688



23, 17.158, 13.023



21, 7.669, 241.676



10, 1.600, 8.771



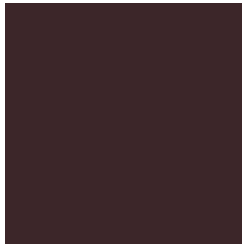
18, 44.742, 29.164



46, 87.839, 34.424

Previews

White Background



This preview shows how the CIELCh color 18, 11.147, 11.684 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 18, 11.147, 11.684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

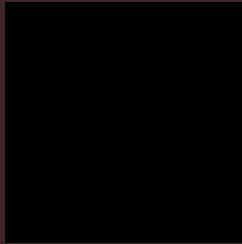
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 11.147, 11.684

Background



This preview shows how black text looks on a background with the CIELCh color 18, 11.147, 11.684.

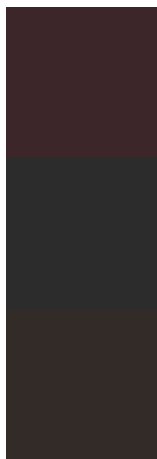


This preview shows how white text looks on a background with the CIELCh color 18, 11.147, 11.684.

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, 11.147, 11.684

Protanopia

18, 0.476, 19.101

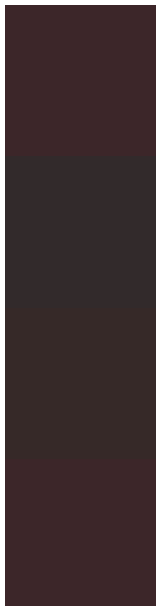
Deuteranopia

18, 4.051, 50.461



Tritanopia
18, 11.147, 11.684

Trichromacy



Original Color

18, 11.147, 11.684

Protanomaly

18, 3.953, 10.280

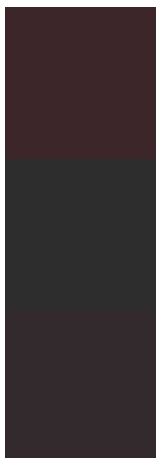
Deuteranomaly

18, 6.560, 26.808

Tritanomaly

18, 11.147, 11.684

Monochromacy



Original Color

18, 11.147, 11.684

Achromatopsia

18, 0.003, 296.813

Achromatomaly

18, 4.106, 0.779

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 11.147, 11.684 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(60, 38, 41)` looks like.

```
.text, #text, p{  
    color:rgb(60, 38, 41)  
}
```

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(60, 38, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 38, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 11.147, 11.684 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(60, 38, 41) }
```

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

```
.border{ border-color:rgb(60, 38, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 38, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 38, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 38, 41);  
box-shadow:4px 4px 4px 4px rgb(60, 38, 41)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 11.147, 11.684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 38, 41) }
```

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

```
.background{ background-color: rgb(60, 38,  
41) }
```

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