

Converting Colors

CIELCh(18, 10.704, 16.008)

Have a look what the booklet for
CIELCh(18, 10.704, 16.008) contains.

CIELCh(18, 11.133, 15.177)	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, 11.133, 15.177)

Conversions

Conversions Part 1

Format	Color
Hex	3C2628
RGB	60, 38, 40
RGB Percent	24%, 15%, 16%
CMY	0.7640, 0.8503, 0.8425
CMYK	0.00, 0.37, 0.33, 0.76
HSL	355°, 22%, 19%
HSV	355°, 37%, 24%
XYZ	2.9593, 2.5180, 2.3528
YIQ	44.8060, 12.4700, 5.2860

Conversions

Conversions Part 2

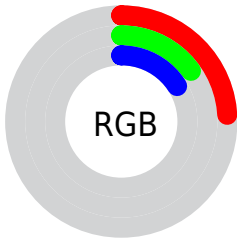
Format	Color
RYB	60, 38, 40
Decimal	3941928
CIELab	18.00, 10.74, 2.91
CIELCh	18, 11.133, 15.177
Yxy	2.5180, 0.3779, 0.3216
Android (android.graphics.Color)	4282132008 (0xFF3C2628)
YUV	44.8060, -2.3694, 13.3251
Hunter-Lab	15.8683, 5.5187, 2.3171

Details

The CIELCh color **18, 11.133, 15.177** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 9.306, 189.525**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 11.100, 14.751**, and **0, 1.386, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **16, 14.514, 16.563**, and if you desaturate by 10%, it is **20, 7.878, 14.045**.

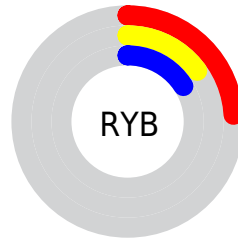
Distribution



Red (24%)

Green (15%)

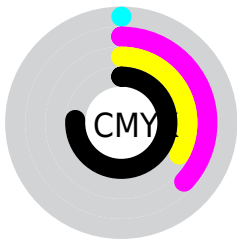
Blue (16%)



Red (24%)

Yellow (15%)

Blue (16%)

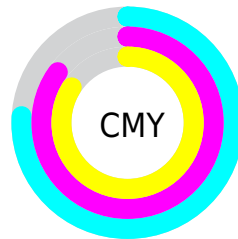


Cyan (0%)

Magenta (37%)

Yellow (33%)

Black (76%)



Cyan (76%)

Magenta (85%)


Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 11.133, 15.177 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, 11.133, 15.177 by changing the saturation by 10% instead.

 18, 11.133, 15.177

 18, 11.133, 15.177

 100, 11.133,
15.177


 8, 11.133, 15.177


 38, 11.133, 15.177


 0, 11.133, 15.177


 48, 11.133, 15.177

 58, 11.133, 15.177

 68, 11.133, 15.177

 78, 11.133, 15.177

 88, 11.133, 15.177

 98, 11.133, 15.177

■ 18, 11.133, 15.177

■ 18, 11.133, 15.177

■ 16, 14.514, 16.563

■ 20, 7.878, 14.045

■ 14, 17.976, 18.262

■ 22, 4.777, 13.091

■ 13, 21.452, 20.360

■ 24, 1.841, 12.231

■ 11, 24.732, 22.253

■ 26, 0.929, 191.939

■ 10, 27.488, 23.070

■ 28, 3.541, 191.185

■ 9, 30.167, 22.413

■ 30, 6.004, 190.662

■ 9, 31.142, 22.032

■ 32, 8.330, 190.216

■ 35, 10.533,
189.825

■ 37, 12.623,
189.478

Harmonies

Complementary

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



18, 11.133, 15.177



24, 9.306, 189.525

Rectangle

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



18, 11.133, 15.177



18, 11.133, 65.177



18, 11.133, 195.177



18, 11.133, 245.177

Sweetspot

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



18, 11.132, 15.181



31, 3.922, 12.656



18, 17.373, 323.233



15, 2.662, 12.691



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, 11.132, 15.181



23, 17.192, 16.487



21, 9.099, 60.722



10, 1.584, 12.396



18, 45.534, 31.207



46, 90.304, 36.814

Inverse Universe

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



18, 11.132, 15.181



23, 17.192, 16.487



21, 7.877, 248.349



10, 1.584, 12.396



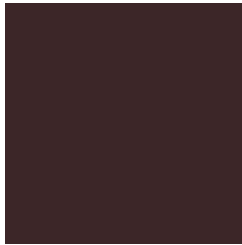
18, 45.534, 31.207



46, 90.304, 36.814

Previews

White Background



This preview shows how the CIELCh color 18, 11.133, 15.177 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, 11.133, 15.177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

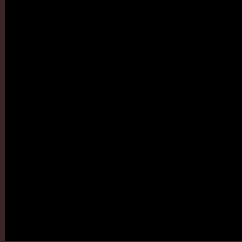
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 11.133, 15.177

Background



This preview shows how black text looks on a background with the CIELCh color 18, 11.133, 15.177.

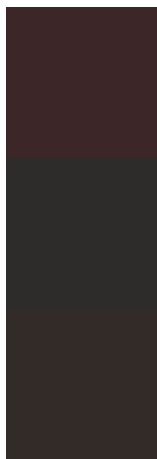


This preview shows how white text looks on a background with the CIELCh color 18, 11.133, 15.177.

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, 11.133, 15.177

Protanopia

18, 0.833, 74.827

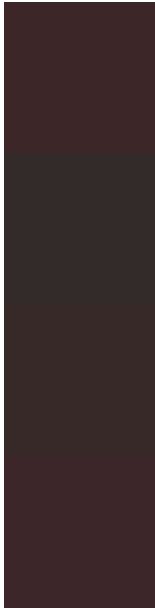
Deuteranopia

18, 4.464, 57.785



Tritanopia
18, 11.147, 11.684

Trichromacy



Original Color

18, 11.133, 15.177

Protanomaly

18, 4.422, 20.362

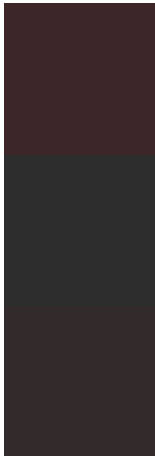
Deuteranomaly

18, 6.722, 32.518

Tritanomaly

18, 11.147, 11.684

Monochromacy



Original Color

18, 11.133, 15.177

Achromatopsia

18, 0.003, 296.813

Achromatomaly

18, 3.905, 20.226

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 18, 11.133, 15.177 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, 40)` looks like.

```
.text, #text, p{  
    color:rgb(60, 38, 40)  
}
```

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, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 38, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 11.133, 15.177 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, 40) }
```

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

```
.border{ border-color:rgb(60, 38, 40) }
```

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, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 38, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 38, 40);  
box-shadow:4px 4px 4px 4px rgb(60, 38, 40)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 11.133, 15.177 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, 40) }
```

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

```
.background{ background-color: rgb(60, 38,  
40) }
```

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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