

Converting Colors

CIELCh(18, 11.157, 20.302)

Have a look what the booklet for
CIELCh(18, 11.157, 20.302) contains.

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Color

CIELCh(18, 11.163, 18.665)

Conversions

Conversions Part 1

Format	Color
Hex	3C2627
RGB	60, 38, 39
RGB Percent	24%, 15%, 15%
CMY	0.7637, 0.8500, 0.8461
CMYK	0.00, 0.37, 0.35, 0.76
HSL	357°, 22%, 19%
HSV	357°, 37%, 24%
XYZ	2.9498, 2.5180, 2.2704
YIQ	44.6920, 12.7910, 4.9750

Conversions

Conversions Part 2

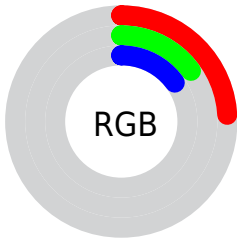
Format	Color
RYB	60, 38, 39
Decimal	3941927
CIELab	18.00, 10.58, 3.57
CIELCh	18, 11.163, 18.665
Yxy	2.5180, 0.3812, 0.3254
Android (android.graphics.Color)	4282132007 (0xFF3C2627)
YUV	44.6920, -2.8062, 13.4251
Hunter-Lab	15.8683, 5.4117, 2.6249

Details

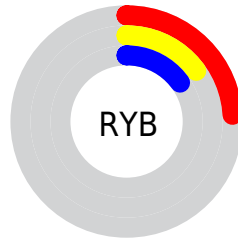
The CIELCh color **18, 11.163, 18.665** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 9.152, 193.643**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 11.100, 17.885**, and **0, 1.109, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **16, 14.606, 19.992**, and if you desaturate by 10%, it is **20, 7.871, 17.597**.

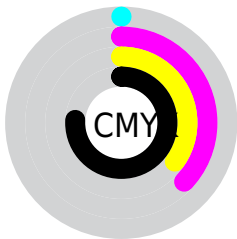
Distribution



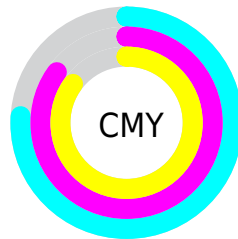
- Red (24%)
- Green (15%)
- Blue (15%)



- Red (24%)
- Yellow (15%)
- Blue (15%)



- Cyan (0%)
- Magenta (37%)
- Yellow (35%)
- Black (76%)




- Cyan (76%)
- Magenta (85%)
- Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 11.163, 18.665 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, 11.163, 18.665 by changing the saturation by 10% instead.

 18, 11.163, 18.665

 18, 11.163, 18.665

 100, 11.163,
18.665


 8, 11.163, 18.665

 38, 11.163, 18.665

 0, 11.163, 18.665

 48, 11.163, 18.665

 58, 11.163, 18.665

 68, 11.163, 18.665

 78, 11.163, 18.665

 88, 11.163, 18.665

 98, 11.163, 18.665

18, 11.163, 18.665

18, 11.163, 18.665

16, 14.606, 19.992

20, 7.871, 17.597

14, 18.163, 21.636

22, 4.756, 16.711

13, 21.765, 23.669

24, 1.822, 15.920

11, 25.062, 24.890

26, 0.932, 195.707

10, 27.788, 25.101

28, 3.517, 195.025

9, 30.463, 24.300

30, 5.945, 194.575

9, 31.452, 23.919

33, 8.230, 194.201

35, 10.387,
193.881

37, 12.428,
193.603

Harmonies

Complementary

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



18, 11.163, 18.665



24, 9.152, 193.643

Rectangle

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



18, 11.163, 18.665



18, 11.163, 68.665



18, 11.163, 198.665



18, 11.163, 248.665

Sweetspot

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



18, 11.162, 18.669



31, 3.904, 16.314



19, 17.591, 324.704



15, 2.650, 16.346



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, 11.162, 18.669



23, 17.296, 19.923



21, 9.191, 66.190



10, 1.576, 16.075



17, 46.335, 33.077



46, 92.315, 38.556

Inverse Universe

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



18, 11.162, 18.669



23, 17.296, 19.923



20, 8.183, 254.640



10, 1.576, 16.075



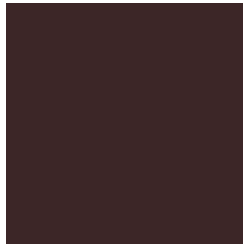
17, 46.335, 33.077



46, 92.315, 38.556

Previews

White Background



This preview shows how the CIELCh color 18, 11.163, 18.665 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, 11.163, 18.665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

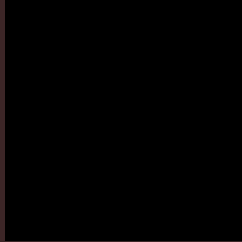
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 11.163, 18.665

Background



This preview shows how black text looks on a background with the CIELCh color 18, 11.163, 18.665.

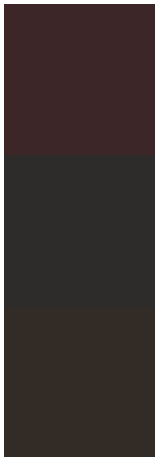


This preview shows how white text looks on a background with the CIELCh color 18, 11.163, 18.665.

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, 11.163, 18.665

Protanopia

18, 1.675, 74.479

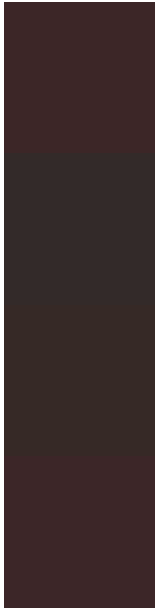
Deuteranopia

18, 5.323, 59.952



Tritanopia
18, 11.147, 11.684

Trichromacy



Original Color

18, 11.163, 18.665

Protanomaly

18, 4.509, 29.066

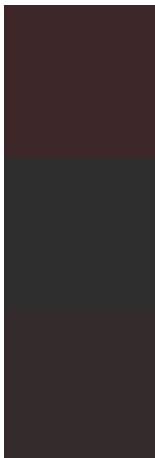
Deuteranomaly

18, 6.951, 37.894

Tritanomaly

18, 11.133, 15.177

Monochromacy



Original Color

18, 11.163, 18.665

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, 11.163, 18.665 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, 39)` looks like.

```
.text, #text, p{  
    color:rgb(60, 38, 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(60, 38, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 38, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 11.163, 18.665 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, 39) }
```

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

```
.border{ border-color:rgb(60, 38, 39) }
```

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, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 38, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 38, 39);  
box-shadow:4px 4px 4px 4px rgb(60, 38, 39)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 11.163, 18.665 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, 39) }
```

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

```
.background{ background-color: rgb(60, 38,  
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](#).

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