

Converting Colors

CIELCh(18, 16.876, 58.115)

Have a look what the booklet for
CIELCh(18, 16.876, 58.115) contains.

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Color

CIELCh(18, 16.766, 58.232)

Conversions

Conversions Part 1

Format	Color
Hex	3E2718
RGB	62, 39, 24
RGB Percent	24%, 15%, 9%
CMY	0.7578, 0.8479, 0.9067
CMYK	0.00, 0.37, 0.61, 0.76
HSL	24°, 44%, 17%
HSV	24°, 61%, 24%
XYZ	2.8524, 2.5180, 1.1886
YIQ	44.1670, 18.5230, 0.2110

Conversions

Conversions Part 2

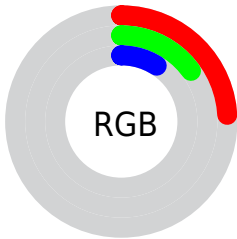
Format	Color
RYB	62, 49, 24
Decimal	4073240
CIELab	18.00, 8.83, 14.25
CIElCh	18, 16.766, 58.232
Yxy	2.5180, 0.4349, 0.3839
Android (android.graphics.Color)	4282263320 (0xFF3E2718)
YUV	44.1670, -9.9423, 15.6395
Hunter-Lab	15.8683, 4.3160, 6.6668

Details

The CIELCh color **18, 16.766, 58.232** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **18, 12.822, 252.762**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 16.695, 58.698**, and **0, 0.555, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **17, 19.947, 57.413**, and if you desaturate by 10%, it is **19, 13.653, 58.977**.

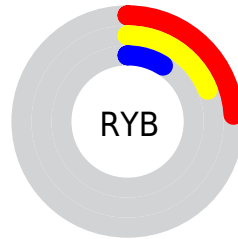
Distribution



 Red (24%)

 Green (15%)

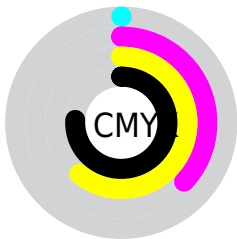
 Blue (9%)



 Red (24%)

 Yellow (19%)

 Blue (9%)

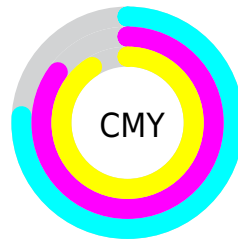


 Cyan (0%)

 Magenta (37%)

 Yellow (61%)

 Black (76%)



 Cyan (76%)

 Magenta (85%)

 Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 16.766, 58.232 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, 16.766, 58.232 by changing the saturation by 10% instead.

 18, 16.766, 58.232

 18, 16.766, 58.232

 100, 16.766,
58.232

 8, 16.766, 58.232

 38, 16.766, 58.232

 0, 16.766, 58.232

 48, 16.766, 58.232

 58, 16.766, 58.232

 68, 16.766, 58.232

 78, 16.766, 58.232

 88, 16.766, 58.232

 98, 16.766, 58.232

■ 18, 16.766, 58.232

■ 18, 16.766, 58.232

■ 17, 19.947, 57.413

■ 19, 13.653, 58.977

■ 16, 22.562, 55.531

■ 21, 10.690, 59.751

■ 15, 24.721, 53.110

■ 22, 7.883, 60.557

■ 14, 26.562, 51.466

■ 23, 5.228, 61.384

■ 25, 2.717, 62.208

■ 26, 0.337, 62.571

■ 27, 1.922, 244.122

■ 29, 4.073, 244.934

■ 30, 6.128, 245.774

Harmonies

Complementary

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



18, 16.766, 58.232



18, 12.822, 252.762

Rectangle

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



18, 16.766, 58.232



18, 16.766, 108.232



18, 16.766, 238.232



18, 16.766, 288.232

Sweetspot

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



18, 16.766, 58.236



31, 5.344, 61.609



15, 22.992, 342.742



14, 3.762, 61.499



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, 16.766, 58.236



22, 25.777, 57.106



24, 21.580, 99.178



11, 1.294, 62.446



23, 40.850, 53.827



54, 81.108, 52.334

Inverse Universe

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



18, 12.822, 252.762



22, 18.272, 257.190



12, 24.252, 293.653



11, 1.258, 244.160



23, 26.815, 267.970



54, 52.993, 272.290

Previews

White Background



This preview shows how the CIE LCh color 18, 16.766, 58.232 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, 16.766, 58.232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

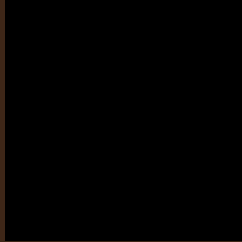
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 16.766, 58.232

Background



This preview shows how black text looks on a background with the CIELCh color 18, 16.766, 58.232.

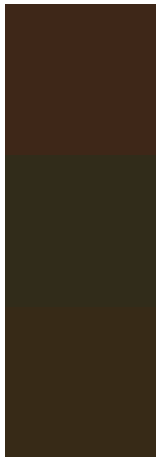


This preview shows how white text looks on a background with the CIELCh color 18, 16.766, 58.232.

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, 16.766, 58.232

Protanopia

18, 12.556, 94.672

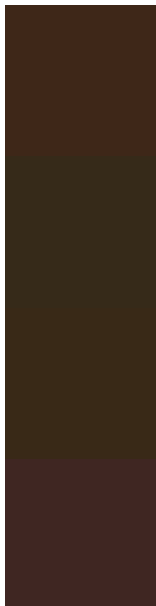
Deuteranopia

18, 14.969, 78.211



Tritanopia
18, 13.203, 13.960

Trichromacy



Original Color

18, 16.766, 58.232

Protanomaly

18, 13.481, 78.083

Deuteranomaly

18, 15.400, 71.906

Tritanomaly

18, 13.533, 33.861

Monochromacy



Original Color

18, 16.766, 58.232

Achromatopsia

18, 0.003, 296.813

Achromatomaly

18, 5.345, 59.921

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 16.766, 58.232 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, 39, 24)` looks like.

```
.text, #text, p{  
    color:rgb(62, 39, 24)  
}
```

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, 39, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 39, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 16.766, 58.232 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, 39, 24) }
```

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

```
.border{ border-color:rgb(62, 39, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 39, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 39, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 39, 24);  
box-shadow:4px 4px 4px 4px rgb(62, 39, 24)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 16.766, 58.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 39, 24) }
```

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

```
.background{ background-color: rgb(62, 39,  
24) }
```

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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