

Converting Colors

CIELCh(16, 18.187, 9.659)

Have a look what the booklet for
CIELCh(16, 18.187, 9.659) contains.

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Color

CIELCh(16, 18.138, 9.735)

Conversions

Conversions Part 1

Format	Color
Hex	401D24
RGB	64, 29, 36
RGB Percent	25%, 11%, 14%
CMY	0.7489, 0.8861, 0.8587
CMYK	0.00, 0.55, 0.44, 0.75
HSL	348°, 38%, 18%
HSV	348°, 55%, 25%
XYZ	2.8761, 2.0993, 1.9254
YIQ	40.2630, 18.6130, 9.5970

Conversions

Conversions Part 2

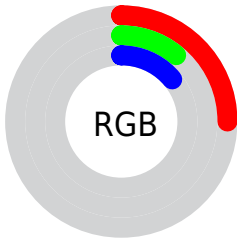
Format	Color
R_{YB}	64, 29, 36
Decimal	4201764
CIE Lab	16.00, 17.88, 3.07
CIE LCh	16, 18.138, 9.735
Yxy	2.0993, 0.4168, 0.3042
Android (android.graphics.Color)	4282391844 (0xFF401D24)
YUV	40.2630, -2.1017, 20.8173
Hunter-Lab	14.4890, 10.0764, 2.2634

Details

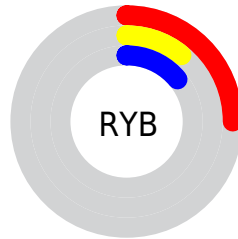
The CIELCh color **16, 18.138, 9.735** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **24, 14.745, 178.536**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 17.810, 10.505**, and **0, 0.277, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **14, 21.555, 11.800**, and if you desaturate by 10%, it is **18, 14.654, 8.048**.

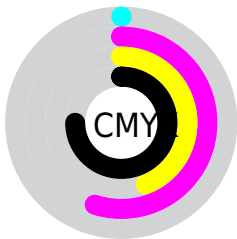
Distribution



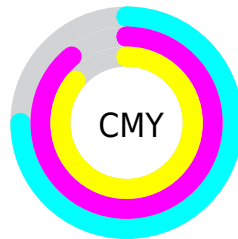
- Red (25%)
- Green (11%)
- Blue (14%)



- Red (25%)
- Yellow (11%)
- Blue (14%)



- Cyan (0%)
- Magenta (55%)
- Yellow (44%)
- Black (75%)



- Cyan (75%)
- Magenta (89%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 18.138, 9.735 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 16, 18.138, 9.735 by changing the saturation by 10% instead.

 16, 18.138, 9.735  16, 18.138, 9.735

 100, 18.138, 9.735  6, 18.138, 9.735

 36, 18.138, 9.735  0, 18.138, 9.735

 46, 18.138, 9.735

 56, 18.138, 9.735

 66, 18.138, 9.735

 76, 18.138, 9.735

 86, 18.138, 9.735

 96, 18.138, 9.735

 16, 18.138, 9.735  16, 18.138, 9.735

14, 21.555, 11.800

18, 14.654, 8.048

13, 24.805, 14.336

20, 11.191, 6.646

12, 27.757, 17.262

22, 7.807, 5.463

11, 30.547, 18.793

24, 4.540, 4.441

10, 32.097, 18.842

26, 1.410, 3.464

28, 1.575, 183.012

30, 4.417, 182.249

33, 7.121, 181.629

35, 9.697, 181.080

Harmonies

Complementary

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



16, 18.138, 9.735



24, 14.745, 178.536

Rectangle

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



16, 18.138, 9.735



16, 18.138, 59.735



16, 18.138, 189.735



16, 18.138, 239.735

Sweetspot

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



16, 18.137, 9.738



31, 6.249, 4.641



16, 26.523, 320.850



15, 4.264, 4.718



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



16, 18.137, 9.738



20, 27.605, 12.827



19, 15.379, 49.115



12, 1.749, 3.863



18, 44.368, 25.579



47, 84.941, 30.208

Inverse Universe

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



16, 18.137, 9.738



20, 27.605, 12.827



21, 11.262, 237.579



12, 1.749, 3.863



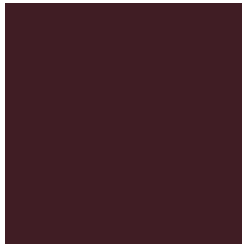
18, 44.368, 25.579



47, 84.941, 30.208

Previews

White Background



This preview shows how the CIE LCh color 16, 18.138, 9.735 looks on a white background.

Color Contrast Check

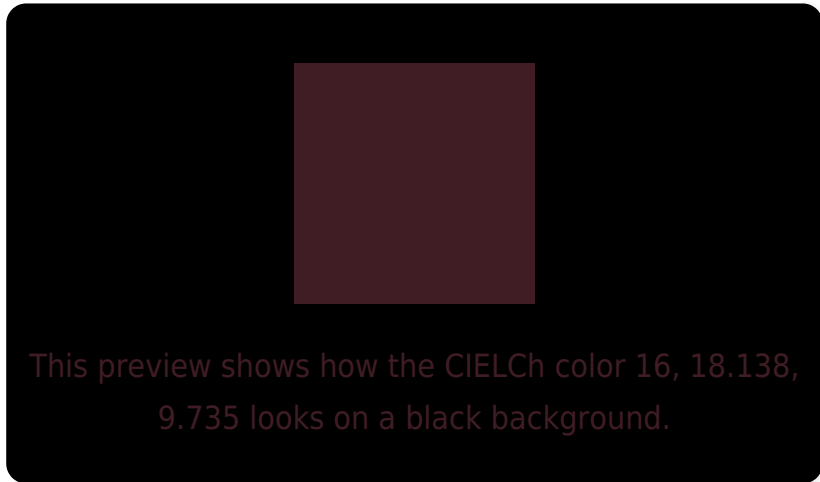
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

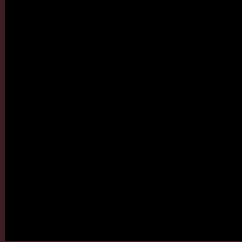
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 18.138, 9.735

Background



This preview shows how black text looks on a background with the CIELCh color 16, 18.138, 9.735.

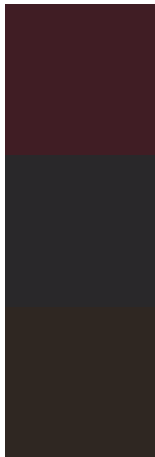


This preview shows how white text looks on a background with the CIELCh color 16, 18.138, 9.735.

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

16, 18.138, 9.735

Protanopia

16, 1.486, 309.207

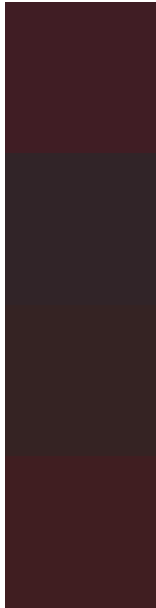
Deuteranopia

16, 5.416, 59.824



Tritanopia
16, 17.784, 20.130

Trichromacy



Original Color

16, 18.138, 9.735

Protanomaly

16, 6.977, 357.687

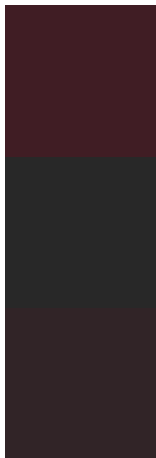
Deuteranomaly

16, 9.274, 21.745

Tritanomaly

16, 17.688, 17.930

Monochromacy



Original Color

16, 18.138, 9.735

Achromatopsia

16, 0.003, 296.813

Achromatomaly

16, 6.776, 3.213

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 18.138, 9.735 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(64, 29, 36)` looks like.

```
.text, #text, p{  
    color:rgb(64, 29, 36)  
}
```

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(64, 29, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 29, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 18.138, 9.735 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(64, 29, 36) }
```

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

```
.border{ border-color:rgb(64, 29, 36) }
```

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

Here you see how a box with a 4 pixel rgb(64, 29, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 29, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 29, 36);  
box-shadow:4px 4px 4px 4px rgb(64, 29, 36)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 18.138, 9.735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 29, 36) }
```

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

```
.background{ background-color: rgb(64, 29,  
36) }
```

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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