

Converting Colors

CIELCh(18, 15.816, 37.654)

Have a look what the booklet for
CIELCh(18, 15.816, 37.654) contains.

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Color

CIELCh(18, 15.734, 37.578)

Conversions

Conversions Part 1

Format	Color
Hex	41251F
RGB	65, 37, 31
RGB Percent	25%, 15%, 12%
CMY	0.7463, 0.8559, 0.8794
CMYK	0.00, 0.43, 0.52, 0.75
HSL	11°, 36%, 19%
HSV	11°, 52%, 25%
XYZ	3.0577, 2.5180, 1.6037
YIQ	44.6880, 18.6140, 4.0700

Conversions

Conversions Part 2

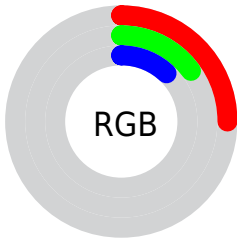
Format	Color
R_{YB}	65, 38, 31
Decimal	4269343
CIE Lab	18.00, 12.47, 9.60
CIE LCh	18, 15.734, 37.578
Yxy	2.5180, 0.4259, 0.3507
Android (android.graphics.Color)	4282459423 (0xFF41251F)
YUV	44.6880, -6.7482, 17.8136
Hunter-Lab	15.8683, 6.6259, 5.1157

Details

The CIELCh color **18, 15.734, 37.578** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **23, 11.121, 219.024**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 15.480, 37.256**, and **1, 3.057, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **16, 19.380, 38.221**, and if you desaturate by 10%, it is **20, 12.288, 37.135**.

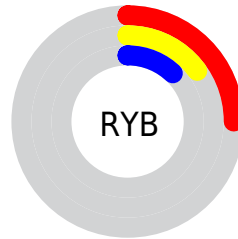
Distribution



Red (25%)

Green (15%)

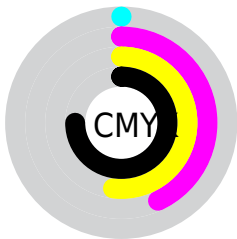
Blue (12%)



Red (25%)

Yellow (15%)

Blue (12%)

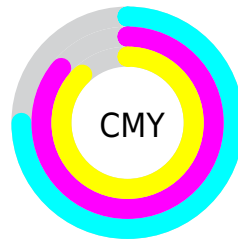


Cyan (0%)

Magenta (43%)

Yellow (52%)

Black (75%)



Cyan (75%)

Magenta (86%)

Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 15.734, 37.578 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, 15.734, 37.578 by changing the saturation by 10% instead.

 18, 15.734, 37.578

 18, 15.734, 37.578

 100, 15.734,
37.578

 8, 15.734, 37.578

 38, 15.734, 37.578

 0, 15.734, 37.578

 48, 15.734, 37.578

 58, 15.734, 37.578

 68, 15.734, 37.578

 78, 15.734, 37.578

 88, 15.734, 37.578

 98, 15.734, 37.578

■ 18, 15.734, 37.578

■ 18, 15.734, 37.578

■ 16, 19.380, 38.221

■ 20, 12.288, 37.135

■ 15, 23.090, 38.751

■ 21, 9.057, 36.850

■ 14, 26.241, 37.825

■ 23, 6.042, 36.696

■ 12, 28.913, 36.503

■ 25, 3.234, 36.629

■ 12, 30.790, 36.108

■ 27, 0.620, 36.362

■ 29, 1.818, 217.016

■ 31, 4.094, 217.113

■ 33, 6.226, 217.302

■ 35, 8.229, 217.529

Harmonies

Complementary

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



18, 15.734, 37.578



23, 11.121, 219.024

Rectangle

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



18, 15.734, 37.578



18, 15.734, 87.578



18, 15.734, 217.578



18, 15.734, 267.578

Sweetspot

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



18, 15.733, 37.582



32, 5.240, 36.651



17, 23.876, 332.299



15, 3.579, 36.655



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



18, 15.733, 37.582



22, 24.573, 38.472



23, 16.155, 85.065



12, 1.450, 36.605



20, 45.667, 40.873



49, 91.308, 42.547

Inverse Universe

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



23, 11.121, 219.024



29, 15.580, 220.409



17, 16.059, 279.265



12, 1.384, 217.018



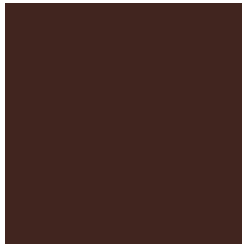
31, 21.433, 228.096



69, 39.593, 230.901

Previews

White Background



This preview shows how the CIE LCh color 18, 15.734, 37.578 looks on a white background.

Color Contrast Check

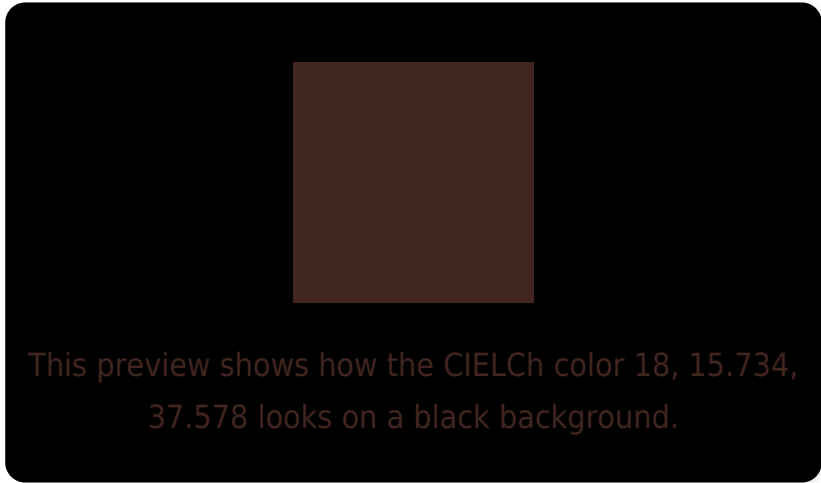
Large Text (above 18pt) WCAG AA ✓ Pass

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

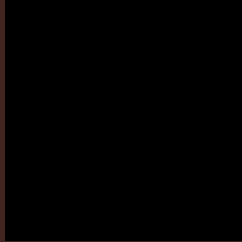
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 15.734, 37.578

Background



This preview shows how black text looks on a background with the CIELCh color 18, 15.734, 37.578.

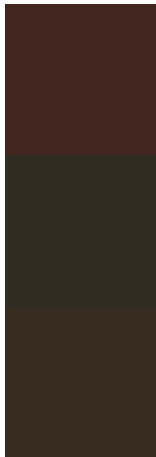


This preview shows how white text looks on a background with the CIELCh color 18, 15.734, 37.578.

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, 15.734, 37.578

Protanopia

18, 7.163, 91.759

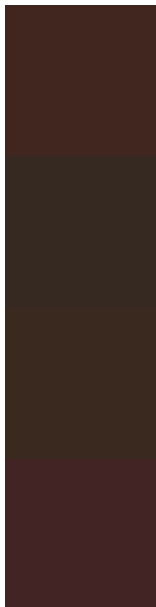
Deuteranopia

18, 10.447, 77.338



Tritanopia
18, 14.817, 18.015

Trichromacy



Original Color

18, 15.734, 37.578

Protanomaly

18, 8.859, 58.505

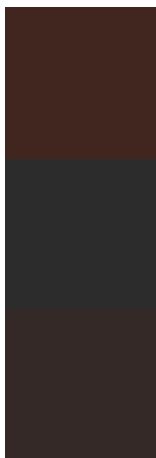
Deuteranomaly

18, 11.594, 60.680

Tritanomaly

18, 15.157, 25.684

Monochromacy



Original Color

18, 15.734, 37.578

Achromatopsia

18, 0.003, 296.813

Achromatomaly

18, 5.712, 34.431

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 15.734, 37.578 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(65, 37, 31)` looks like.

```
.text, #text, p{  
    color:rgb(65, 37, 31)  
}
```

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(65, 37, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 37, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 15.734, 37.578 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(65, 37, 31) }
```

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

```
.border{ border-color:rgb(65, 37, 31) }
```

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

Here you see how a box with a 4 pixel rgb(65, 37, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 37, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 37, 31);  
box-shadow:4px 4px 4px 4px rgb(65, 37, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 15.734, 37.578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 37, 31) }
```

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

```
.background{ background-color: rgb(65, 37,  
31) }
```

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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