

Converting Colors

CIELCh(16, 15.525, 0.878)

Have a look what the booklet for
CIELCh(16, 15.525, 0.878) contains.

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Color

CIELCh(16, 15.435, 0.372)

Conversions

Conversions Part 1

Format	Color
Hex	3C1F28
RGB	60, 31, 40
RGB Percent	24%, 12%, 16%
CMY	0.7645, 0.8782, 0.8429
CMYK	0.00, 0.48, 0.33, 0.76
HSL	341°, 32%, 18%
HSV	341°, 48%, 24%
XYZ	2.7429, 2.0993, 2.2734
YIQ	40.6970, 14.3950, 8.9470

Conversions

Conversions Part 2

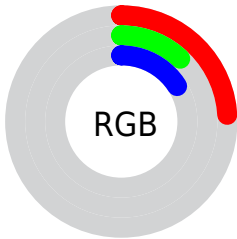
Format	Color
R_{YB}	60, 31, 40
Decimal	3940136
CIE Lab	16.00, 15.43, 0.10
CIE LCh	16, 15.435, 0.372
Yxy	2.0993, 0.3855, 0.2950
Android (android.graphics.Color)	4282130216 (0xFF3C1F28)
YUV	40.6970, -0.3436, 16.9287
Hunter-Lab	14.4890, 8.4362, 0.8396

Details

The CIELCh color **16, 15.435, 0.372** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 13.684, 170.901**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 15.037, 0.327**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 18.644, 2.010**, and if you desaturate by 10%, it is **18, 12.152, 358.997**.

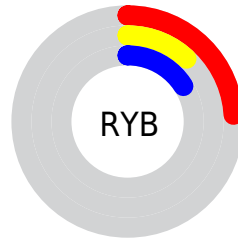
Distribution



Red (24%)

Green (12%)

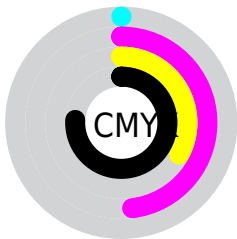
Blue (16%)



Red (24%)

Yellow (12%)

Blue (16%)

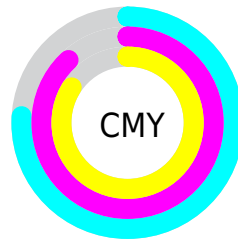


Cyan (0%)

Magenta (48%)

Yellow (33%)

Black (76%)



Cyan (76%)

Magenta (88%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 15.435, 0.372 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, 15.435, 0.372 by changing the saturation by 10% instead.

 16, 15.435, 0.372  16, 15.435, 0.372

 100, 15.435, 0.372  6, 15.435, 0.372

 36, 15.435, 0.372  0, 15.435, 0.372

 46, 15.435, 0.372


 56, 15.435, 0.372

 66, 15.435, 0.372

 76, 15.435, 0.372

 86, 15.435, 0.372

 96, 15.435, 0.372

 16, 15.435, 0.372  16, 15.435, 0.372

14, 18.644, 2.010

18, 12.152,
358.997

13, 21.684, 3.984

20, 8.874, 357.817

12, 24.441, 6.397

22, 5.652, 356.785

10, 26.916, 9.199

24, 2.519, 355.843

9, 29.649, 10.876

26, 0.508, 175.525

9, 30.149, 11.001

28, 3.420, 174.467

30, 6.217, 173.789

32, 8.902, 173.184

34, 11.481,
172.632

Harmonies

Complementary

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



16, 15.435, 0.372



23, 13.684, 170.901

Rectangle

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



16, 15.435, 0.372



16, 15.435, 50.372



16, 15.435, 180.372



16, 15.435, 230.372

Sweetspot

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



16, 15.434, 0.374



30, 5.408, 356.438



16, 21.876, 316.984



14, 3.774, 356.527



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



16, 15.434, 0.374



20, 23.303, 2.463



17, 13.313, 37.965



10, 1.714, 355.859



18, 41.455, 16.101



47, 78.855, 20.929

Inverse Universe

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



16, 15.434, 0.374



20, 23.303, 2.463



21, 9.784, 219.581



10, 1.714, 355.859



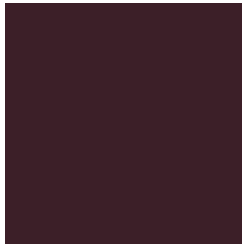
18, 41.455, 16.101



47, 78.855, 20.929

Previews

White Background



This preview shows how the CIE LCh color 16, 15.435, 0.372 looks on a white background.

Color Contrast Check

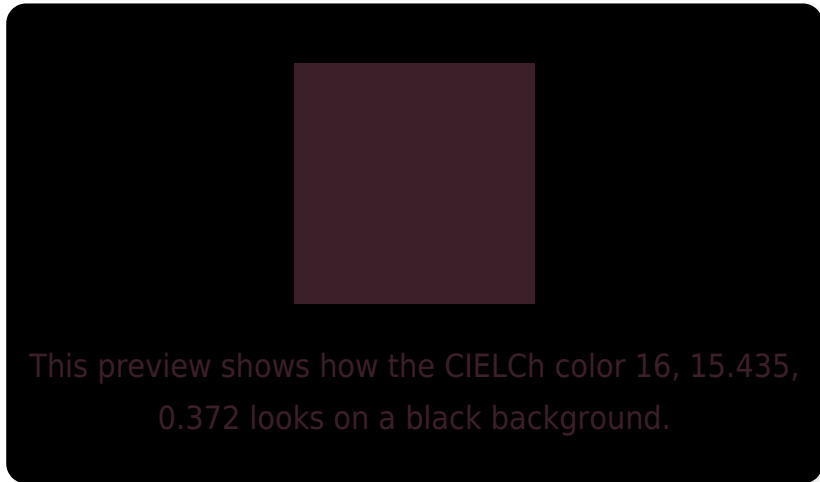
Large Text (above 18pt) WCAG AA ✓ Pass

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

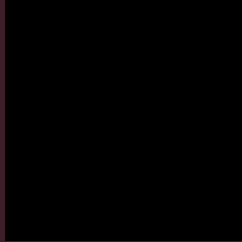
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 15.435, 0.372

Background



This preview shows how black text looks on a background with the CIELCh color 16, 15.435, 0.372.



This preview shows how white text looks on a background with the CIELCh color 16, 15.435, 0.372.

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, 15.435, 0.372

Protanopia

16, 3.501, 291.110

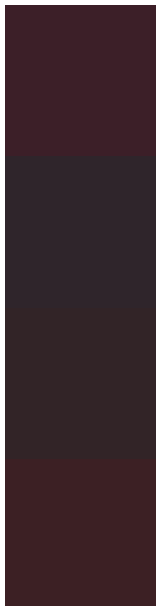
Deuteranopia

16, 2.959, 20.041



Tritanopia
16, 14.538, 18.035

Trichromacy



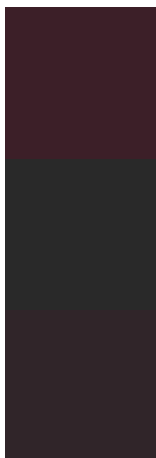
Original Color
16, 15.435, 0.372

Protanomaly
16, 6.387, 339.974

Deuteranomaly
16, 7.260, 4.606

Tritanomaly
16, 14.475, 12.606

Monochromacy



Original Color
16, 15.435, 0.372

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 6.055, 353.543

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 15.435, 0.372 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, 31, 40)` looks like.

```
.text, #text, p{  
    color:rgb(60, 31, 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, 31, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 31, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 15.435, 0.372 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, 31, 40) }
```

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

```
.border{ border-color:rgb(60, 31, 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, 31, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 31, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 31, 40);  
box-shadow:4px 4px 4px 4px rgb(60, 31, 40)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 15.435, 0.372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 31, 40) }
```

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

```
.background{ background-color: rgb(60, 31,  
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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