

Converting Colors

CIELCh(15, 22.382, 0.785)

Have a look what the booklet for
CIELCh(15, 22.382, 0.785) contains.

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Color

CIELCh(15, 22.618, 0.680)

Conversions

Conversions Part 1

Format	Color
Hex	421726
RGB	66, 23, 38
RGB Percent	26%, 9%, 15%
CMY	0.7413, 0.9099, 0.8511
CMYK	0.00, 0.65, 0.42, 0.74
HSL	339°, 48%, 17%
HSV	339°, 65%, 26%
XYZ	2.8999, 1.9086, 2.0470
YIQ	37.5670, 20.8130, 13.7810

Conversions

Conversions Part 2

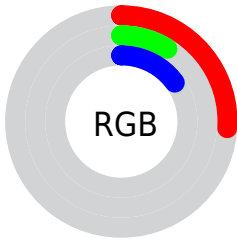
Format	Color
RYB	66, 23, 38
Decimal	4331302
CIELab	15.00, 22.62, 0.27
CIELCh	15, 22.618, 0.680
Yxy	1.9086, 0.4230, 0.2784
Android (android.graphics.Color)	4282521382 (0xFF421726)
YUV	37.5670, 0.2135, 24.9357
Hunter-Lab	13.8151, 13.2918, 0.8857




Details

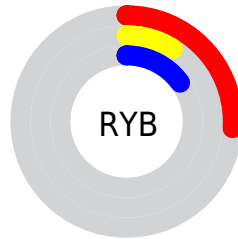
The CIELCh color **15, 22.618, 0.680** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **25, 19.759, 166.139**, and the grayscale version is **15, 0.003, 296.813**.




A 20% lighter version of the original color is **35, 22.809, 359.812**, and **0, 0.832, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **14, 25.605, 2.920**, and if you desaturate by 10%, it is **17, 19.309, 358.846**.

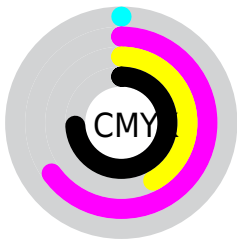
Distribution







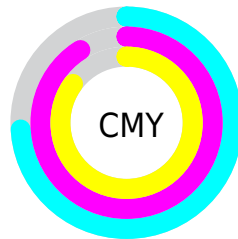
-  Red (26%)
-  Green (9%)
-  Blue (15%)






-  Red (26%)
-  Yellow (9%)
-  Blue (15%)



-  Cyan (0%)
-  Magenta (65%)
-  Yellow (42%)
-  Black (74%)



-  Cyan (74%)
-  Magenta (91%)
-  Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 22.618, 0.680 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 15, 22.618, 0.680 by changing the saturation by 10% instead.

 15, 22.618, 0.680  15, 22.618, 0.680

 100, 22.618, 0.680  5, 22.618, 0.680

 35, 22.618, 0.680  0, 22.618, 0.680

 45, 22.618, 0.680


 55, 22.618, 0.680

 65, 22.618, 0.680

 75, 22.618, 0.680

 85, 22.618, 0.680

 95, 22.618, 0.680

 15, 22.618, 0.680  15, 22.618, 0.680

■ 14, 25.605, 2.920

■ 17, 19.309,
358.846

■ 12, 28.146, 5.677

■ 19, 15.813,
357.316

■ 11, 30.670, 8.398

■ 11, 32.040, 9.489

■ 20, 12.237,
356.018

■ 23, 8.664, 354.896

■ 25, 5.150, 353.904

■ 27, 1.729, 352.958

■ 29, 1.579, 172.435

■ 31, 4.767, 171.644

■ 34, 7.833, 170.985

Harmonies

Complementary

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



15, 22.618, 0.680



25, 19.759, 166.139

Rectangle

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



15, 22.618, 0.680



15, 22.618, 50.680



15, 22.618, 180.680



15, 22.618, 230.680

Sweetspot

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



15, 22.617, 0.682



31, 8.590, 354.456



14, 31.541, 316.497



14, 5.777, 354.568



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



15, 22.617, 0.682



19, 32.767, 4.571



16, 21.089, 36.446



12, 1.876, 353.285



19, 41.846, 12.832



48, 78.254, 17.358

Inverse Universe

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



15, 22.617, 0.682



19, 32.767, 4.571



23, 13.354, 216.398



12, 1.876, 353.285



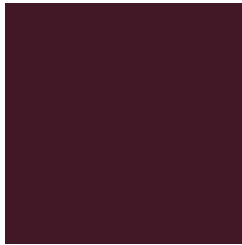
19, 41.846, 12.832



48, 78.254, 17.358

Previews

White Background



This preview shows how the CIELCh color 15, 22.618, 0.680 looks on a white background.

Color Contrast Check

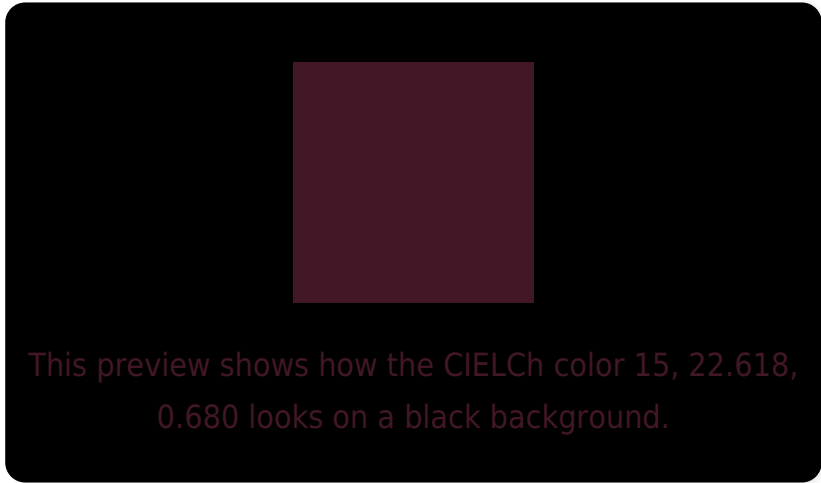
Large Text (above 18pt) WCAG AA ✓ Pass

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

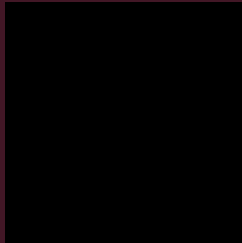
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 22.618, 0.680

Background



This preview shows how black text looks on a background with the CIELCh color 15, 22.618, 0.680.



This preview shows how white text looks on a background with the CIELCh color 15, 22.618, 0.680.

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

15, 22.618, 0.680

Protanopia

16, 5.672, 282.638

Deuteranopia

16, 3.329, 44.766



Tritanopia
15, 21.271, 22.435

Trichromacy



Original Color

15, 22.618, 0.680

Protanomaly

15, 10.502, 334.737

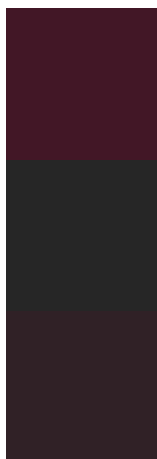
Deuteranomaly

15, 9.936, 5.903

Tritanomaly

15, 21.323, 13.719

Monochromacy



Original Color

15, 22.618, 0.680

Achromatopsia

15, 0.003, 296.813

Achromatomaly

15, 8.216, 356.395

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 22.618, 0.680 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(66, 23, 38)` looks like.

```
.text, #text, p{  
    color:rgb(66, 23, 38)  
}
```

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(66, 23, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 23, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 22.618, 0.680 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(66, 23, 38) }
```

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

```
.border{ border-color:rgb(66, 23, 38) }
```

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

Here you see how a box with a 4 pixel rgb(66, 23, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 23, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 23, 38);  
box-shadow:4px 4px 4px 4px rgb(66, 23, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 22.618, 0.680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 23, 38) }
```

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

```
.background{ background-color: rgb(66, 23,  
38) }
```

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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