

Converting Colors

CIELCh(17, 22.612, 358.135)

Have a look what the booklet for
CIELCh(17, 22.612, 358.135)
contains.

CIELCh(17, 22.809, 356.741)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(17, 22.809, 356.741)

Conversions

Conversions Part 1

Format	Color
Hex	461B2C
RGB	70, 27, 44
RGB Percent	27%, 11%, 17%
CMY	0.7239, 0.8927, 0.8261
CMYK	0.00, 0.61, 0.37, 0.72
HSL	336°, 44%, 19%
HSV	336°, 61%, 28%
XYZ	3.4165, 2.3023, 2.6822
YIQ	41.7950, 20.1710, 14.4030

Conversions

Conversions Part 2

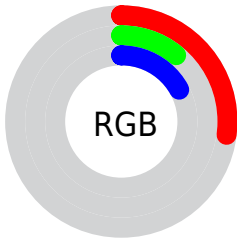
Format	Color
RYB	70, 27, 44
Decimal	4594476
CIELab	17.00, 22.77, -1.30
CIELCh	17, 22.809, 356.741
Yxy	2.3023, 0.4067, 0.2741
Android (android.graphics.Color)	4282784556 (0xFF461B2C)
YUV	41.7950, 1.0871, 24.7358
Hunter-Lab	15.1734, 13.6386, 0.1408




Details

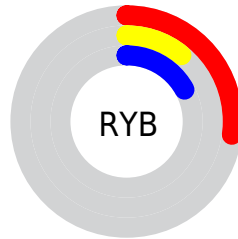
The CIELCh color **17, 22.809, 356.741** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **27, 20.567, 163.659**, and the grayscale version is **17, 0.003, 296.813**.




A 20% lighter version of the original color is **37, 22.395, 357.535**, and **1, 6.390, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **15, 26.048, 358.708**, and if you desaturate by 10%, it is **19, 19.238, 355.115**.

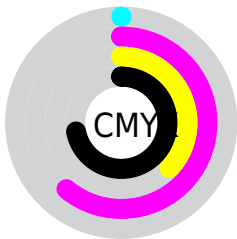
Distribution







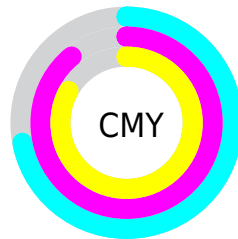
-  Red (27%)
-  Green (11%)
-  Blue (17%)






-  Red (27%)
-  Yellow (11%)
-  Blue (17%)



-  Cyan (0%)
-  Magenta (61%)
-  Yellow (37%)
-  Black (72%)



-  Cyan (72%)
-  Magenta (89%)
-  Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 22.809, 356.741 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 17, 22.809, 356.741 by changing the saturation by 10% instead.

■ 17, 22.809,
356.741

■ 17, 22.809,
356.741

■ 100, 22.809,
356.741

■ 7, 22.809, 356.741

■ 37, 22.809,
356.741

■ 0, 22.809, 356.741

■ 47, 22.809,
356.741

■ 57, 22.809,
356.741

■ 67, 22.809,
356.741

■ 77, 22.809,
356.741

■ 87, 22.809,

356.741

97, 22.809,
356.741

17, 22.809,
356.741

17, 22.809,
356.741

15, 26.048,
358.708

19, 19.238,
355.115

14, 28.810, 1.120

21, 15.481,
353.743

13, 31.118, 3.940

23, 11.649,
352.563

12, 33.406, 6.136

25, 7.827, 351.528

27, 4.068, 350.594

30, 0.408, 349.314

■ 32, 3.136, 169.160

■ 34, 6.556, 168.451

■ 37, 9.853, 167.821

Harmonies

Complementary

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



17, 22.809, 356.741



27, 20.567, 163.659

Rectangle

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



17, 22.809, 356.741



17, 22.809, 46.741



17, 22.809, 176.741



17, 22.809, 226.741

Sweetspot

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



17, 22.808, 356.742



34, 8.287, 351.296



16, 31.197, 314.867



15, 5.684, 351.439



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



17, 22.808, 356.742



21, 32.883, 359.806



18, 21.378, 32.451



13, 2.054, 350.365



19, 42.357, 8.826



48, 77.863, 12.962

Inverse Universe

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



17, 22.808, 356.742



21, 32.883, 359.806



26, 13.944, 209.115



13, 2.054, 350.365



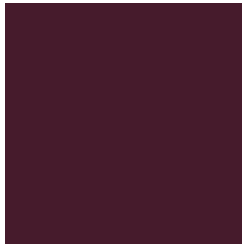
19, 42.357, 8.826



48, 77.863, 12.962

Previews

White Background



This preview shows how the CIE LCh color 17, 22.809, 356.741 looks on a white background.

Color Contrast Check

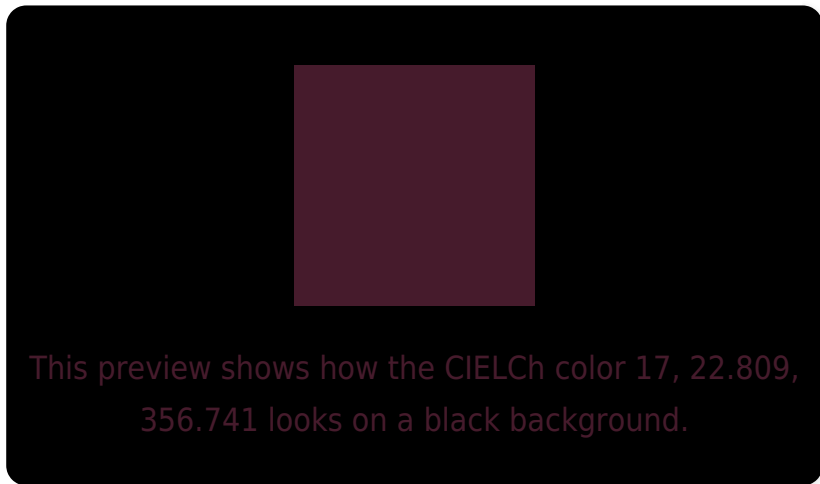
Large Text (above 18pt) WCAG AA ✓ Pass

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

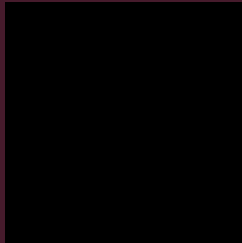
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 22.809, 356.741

Background



This preview shows how black text looks on a background with the CIELCh color 17, 22.809, 356.741.



This preview shows how white text looks on a background with the CIELCh color 17, 22.809, 356.741.

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
17, 22.809, 356.741

Protanopia
17, 8.357, 286.414

Deuteranopia
17, 2.998, 6.729



Tritanopia
17, 20.358, 21.448

Trichromacy



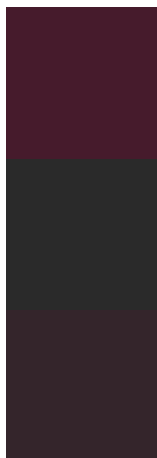
Original Color
17, 22.809, 356.741

Protanomaly
17, 11.114, 327.722

Deuteranomaly
17, 10.832, 355.876

Tritanomaly
17, 21.014, 12.908

Monochromacy



Original Color
17, 22.809, 356.741

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 8.370, 351.809

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 22.809, 356.741 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(70, 27, 44)` looks like.

```
.text, #text, p{  
    color:rgb(70, 27, 44)  
}
```

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(70, 27, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 27, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 22.809, 356.741 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(70, 27, 44) }
```

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

```
.border{ border-color:rgb(70, 27, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 27, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 27, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 27, 44);  
box-shadow:4px 4px 4px 4px rgb(70, 27, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 22.809, 356.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 27, 44) }
```

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

```
.background{ background-color: rgb(70, 27,  
44) }
```

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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