

Converting Colors

CIELCh(17, 22.220, 359.868)

Have a look what the booklet for
CIELCh(17, 22.220, 359.868)
contains.

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Color

CIELCh(17, 22.040, 359.202)

Conversions

Conversions Part 1

Format	Color
Hex	461C2B
RGB	70, 28, 43
RGB Percent	27%, 11%, 17%
CMY	0.7257, 0.8904, 0.8316
CMYK	0.00, 0.60, 0.39, 0.73
HSL	339°, 43%, 19%
HSV	339°, 60%, 27%
XYZ	3.3711, 2.3023, 2.5476
YIQ	42.2680, 20.2170, 13.5690

Conversions

Conversions Part 2

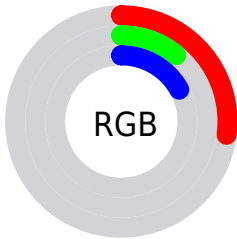
Format	Color
R_{YB}	70, 28, 43
Decimal	4594731
CIE _{Lab}	17.00, 22.04, -0.31
CIE _{LCh}	17, 22.040, 359.202
Yxy	2.3023, 0.4101, 0.2801
Android (android.graphics.Color)	4282784811 (0xFF461C2B)
YUV	42.2680, 0.3609, 24.3210
Hunter-Lab	15.1734, 13.1045, 0.6665




Details

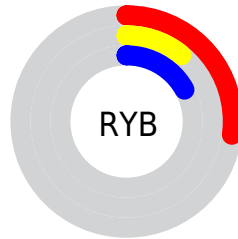
The CIELCh color **17, 22.040, 359.202** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **26, 19.489, 166.181**, and the grayscale version is **17, 0.003, 296.813**.




A 20% lighter version of the original color is **37, 21.621, 359.947**, and **1, 6.850, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **15, 25.336, 1.243**, and if you desaturate by 10%, it is **19, 18.460, 357.521**.

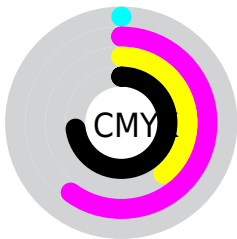
Distribution







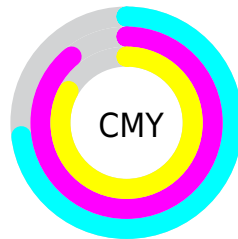
-  Red (27%)
-  Green (11%)
-  Blue (17%)






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



-  Cyan (0%)
-  Magenta (60%)
-  Yellow (39%)
-  Black (73%)



-  Cyan (73%)
-  Magenta (89%)
-  Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 22.040, 359.202 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, 22.040, 359.202 by changing the saturation by 10% instead.

■ 17, 22.040,
359.202

■ 17, 22.040,
359.202

■ 100, 22.040,
359.202

■ 7, 22.040, 359.202

■ 37, 22.040,
359.202

■ 0, 22.040, 359.202

■ 47, 22.040,
359.202

■ 57, 22.040,
359.202

■ 67, 22.040,
359.202

■ 77, 22.040,
359.202

■ 87, 22.040,

359.202

97, 22.040,
359.202

17, 22.040,
359.202

17, 22.040,
359.202

15, 25.336, 1.243

19, 18.460,
357.521

14, 28.209, 3.750

21, 14.734,
356.107

13, 30.632, 6.733

12, 33.305, 9.346

23, 10.963,
354.898

25, 7.224, 353.841

27, 3.565, 352.889

30, 0.015, 337.955

■ 32, 3.412, 171.448

■ 34, 6.711, 170.742

■ 37, 9.883, 170.114

Harmonies

Complementary

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



17, 22.040, 359.202



26, 19.489, 166.181

Rectangle

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



17, 22.040, 359.202



17, 22.040, 49.202



17, 22.040, 179.202



17, 22.040, 229.202

Sweetspot

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



17, 22.039, 359.204



34, 8.118, 353.714



16, 30.578, 315.857



15, 5.570, 353.861



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, 22.039, 359.204



21, 32.270, 2.417



18, 20.332, 34.736



13, 2.009, 352.756



19, 42.562, 12.264



48, 78.700, 16.603

Inverse Universe

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



17, 22.039, 359.204



21, 32.270, 2.417



25, 13.369, 213.614



13, 2.009, 352.756



19, 42.562, 12.264



48, 78.700, 16.603

Previews

White Background



This preview shows how the CIE LCh color 17, 22.040, 359.202 looks on a white background.

Color Contrast Check

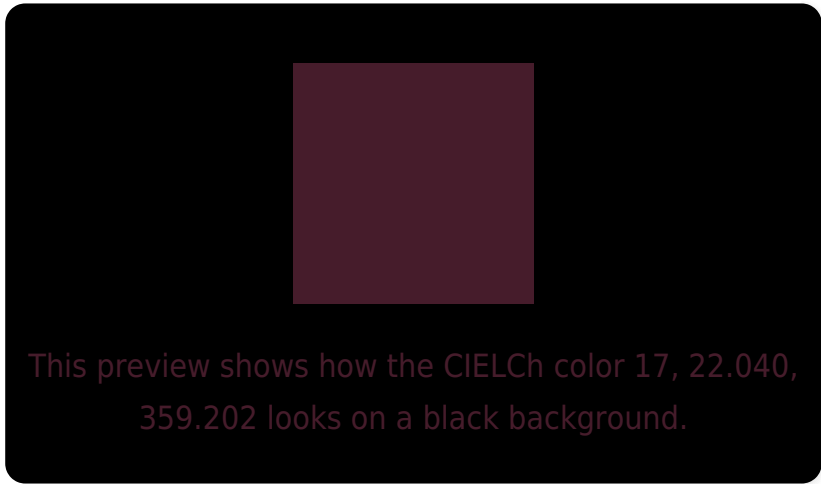
Large Text (above 18pt) WCAG AA ✓ Pass

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

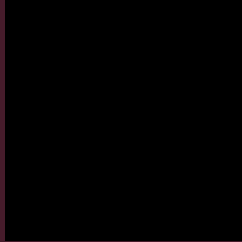
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 22.040, 359.202

Background



This preview shows how black text looks on a background with the CIELCh color 17, 22.040, 359.202.



This preview shows how white text looks on a background with the CIELCh color 17, 22.040, 359.202.

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, 22.040, 359.202

Protanopia

17, 6.951, 288.336

Deuteranopia

17, 3.435, 20.137



Tritanopia
17, 20.358, 21.448

Trichromacy



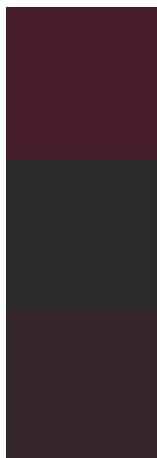
Original Color
17, 22.040, 359.202

Protanomaly
17, 10.863, 332.063

Deuteranomaly
17, 10.613, 359.339

Tritanomaly
17, 20.535, 12.428

Monochromacy



Original Color
17, 22.040, 359.202

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 8.096, 356.198

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 22.040, 359.202 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, 28, 43)` looks like.

```
.text, #text, p{  
    color:rgb(70, 28, 43)  
}
```

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, 28, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 28, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 22.040, 359.202 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, 28, 43) }
```

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

```
.border{ border-color:rgb(70, 28, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 28, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 28, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 28, 43);  
box-shadow:4px 4px 4px 4px rgb(70, 28, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 22.040, 359.202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 28, 43) }
```

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

```
.background{ background-color: rgb(70, 28,  
43) }
```

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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