

Converting Colors

CIELCh(17, 21.302, 350.675)

Have a look what the booklet for
CIELCh(17, 21.302, 350.675)
contains.

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Color

CIELCh(17, 21.129, 350.671)

Conversions

Conversions Part 1

Format	Color
Hex	431D2F
RGB	67, 29, 47
RGB Percent	26%, 11%, 18%
CMY	0.7361, 0.8852, 0.8147
CMYK	0.00, 0.57, 0.30, 0.74
HSL	332°, 39%, 19%
HSV	332°, 57%, 26%
XYZ	3.2985, 2.3023, 2.9874
YIQ	42.4140, 16.8700, 13.6540

Conversions

Conversions Part 2

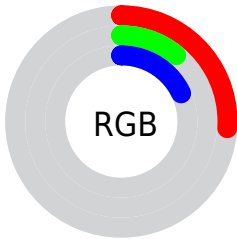
Format	Color
RYB	67, 29, 47
Decimal	4398383
CIELab	17.00, 20.85, -3.43
CIELCh	17, 21.129, 350.671
Yxy	2.3023, 0.3841, 0.2681
Android (android.graphics.Color)	4282588463 (0xFF431D2F)
YUV	42.4140, 2.2609, 21.5619
Hunter-Lab	15.1734, 12.2501, -1.0517




Details

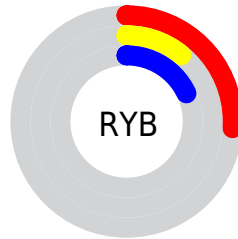
The CIELCh color **17, 21.129, 350.671** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **25, 19.827, 159.800**, and the grayscale version is **17, 0.003, 296.813**.




A 20% lighter version of the original color is **37, 21.546, 350.510**, and **1, 5.526, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **15, 24.437, 352.198**, and if you desaturate by 10%, it is **19, 17.528, 349.376**.

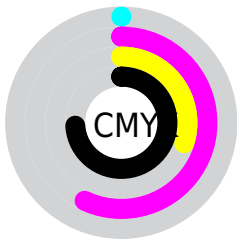
Distribution







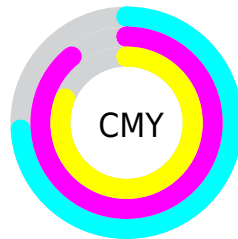
-  Red (26%)
-  Green (11%)
-  Blue (18%)






-  Red (26%)
-  Yellow (11%)
-  Blue (18%)



-  Cyan (0%)
-  Magenta (57%)
-  Yellow (30%)
-  Black (74%)



-  Cyan (74%)
-  Magenta (89%)
-  Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 21.129, 350.671 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, 21.129, 350.671 by changing the saturation by 10% instead.

■ 17, 21.129,
350.671

■ 17, 21.129,
350.671

■ 100, 21.129,
350.671

■ 7, 21.129, 350.671

■ 37, 21.129,
350.671

■ 0, 21.129, 350.671

■ 47, 21.129,
350.671


■ 57, 21.129,
350.671


■ 67, 21.129,
350.671


■ 77, 21.129,
350.671


■ 87, 21.129,


350.671


 97, 21.129,
350.671


 17, 21.129,
350.671


 17, 21.129,
350.671

 15, 24.437,
352.198


 19, 17.528,
349.376

 14, 27.304,
354.030

 21, 13.768,
348.252


 13, 29.592,
356.259

 23, 9.948, 347.259

 12, 31.865,
358.418

 25, 6.141, 346.365

 27, 2.395, 345.518

 11, 32.750,
359.079

 29, 1.262, 165.021

■ 32, 4.814, 164.239

■ 34, 8.253, 163.603

■ 36, 11.580,
163.021

Harmonies

Complementary

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



17, 21.129, 350.671



25, 19.827, 159.800

Rectangle

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



17, 21.129, 350.671



17, 21.129, 40.671



17, 21.129, 170.671



17, 21.129, 220.671

Sweetspot

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



17, 21.128, 350.672



32, 7.816, 346.466



15, 27.610, 312.113



15, 5.148, 346.516



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



17, 21.128, 350.672



20, 30.514, 352.929



17, 19.969, 26.137



12, 2.026, 345.689



19, 41.752, 1.528



48, 76.677, 5.196

Inverse Universe

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



17, 21.128, 350.672



20, 30.514, 352.929



26, 13.806, 198.955



12, 2.026, 345.689



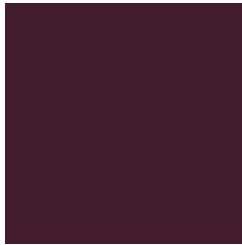
19, 41.752, 1.528



48, 76.677, 5.196

Previews

White Background



This preview shows how the CIELCh color 17, 21.129, 350.671 looks on a white background.

Color Contrast Check

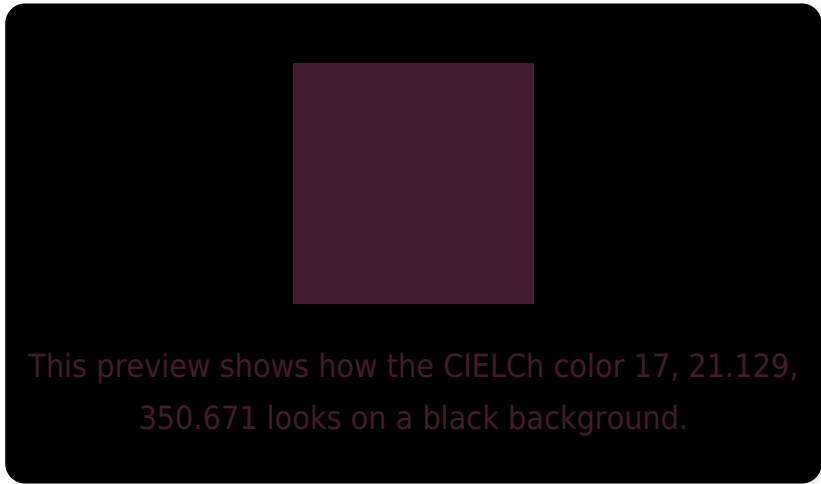
Large Text (above 18pt) WCAG AA ✓ Pass

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

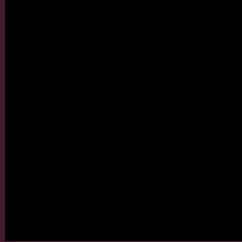
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 21.129, 350.671

Background



This preview shows how black text looks on a background with the CIELCh color 17, 21.129, 350.671.



This preview shows how white text looks on a background with the CIELCh color 17, 21.129, 350.671.

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, 21.129, 350.671

Protanopia

17, 9.767, 285.258

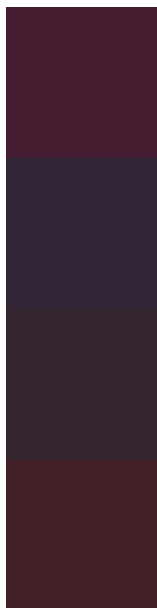
Deuteranopia

17, 3.668, 331.049



Tritanopia
17, 17.643, 19.900

Trichromacy



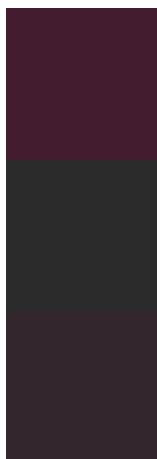
Original Color
17, 21.129, 350.671

Protanomaly
17, 12.420, 318.391

Deuteranomaly
17, 10.193, 344.445

Tritanomaly
17, 18.072, 7.322

Monochromacy



Original Color
17, 21.129, 350.671

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 8.270, 345.656

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 21.129, 350.671 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(67, 29, 47)` looks like.

```
.text, #text, p{  
    color:rgb(67, 29, 47)  
}
```

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(67, 29, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 29, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 21.129, 350.671 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(67, 29, 47) }
```

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

```
.border{ border-color:rgb(67, 29, 47) }
```

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

Here you see how a box with a 4 pixel rgb(67, 29, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 29, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 29, 47);  
box-shadow:4px 4px 4px 4px rgb(67, 29, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 21.129, 350.671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 29, 47) }
```

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

```
.background{ background-color: rgb(67, 29,  
47) }
```

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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