

Converting Colors

CIELCh(16, 21.400, 1.884)

Have a look what the booklet for
CIELCh(16, 21.400, 1.884) contains.

CIELCh(16, 21.435, 2.272)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(16, 21.435, 2.272)

Conversions

Conversions Part 1

Format	Color
Hex	431A27
RGB	67, 26, 39
RGB Percent	26%, 10%, 15%
CMY	0.7363, 0.8971, 0.8462
CMYK	0.00, 0.61, 0.42, 0.74
HSL	341°, 44%, 18%
HSV	341°, 61%, 26%
XYZ	3.0766, 2.0993, 2.1818
YIQ	39.7410, 20.2630, 12.7350

Conversions

Conversions Part 2

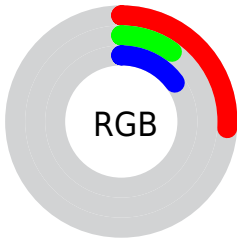
Format	Color
R_{YB}	67, 26, 39
Decimal	4397607
CIE Lab	16.00, 21.42, 0.85
CIE LCh	16, 21.435, 2.272
Yxy	2.0993, 0.4182, 0.2853
Android (android.graphics.Color)	4282587687 (0xFF431A27)
YUV	39.7410, -0.3653, 23.9061
Hunter-Lab	14.4890, 12.5477, 1.2142

Details

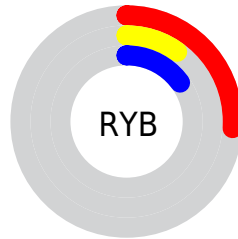
The CIELCh color **16, 21.435, 2.272** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **25, 18.465, 168.846**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 21.588, 1.642**, and **1, 2.773, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **14, 24.655, 4.440**, and if you desaturate by 10%, it is **18, 17.968, 0.494**.

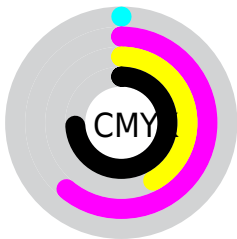
Distribution



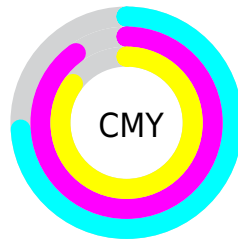
- Red (26%)
- Green (10%)
- Blue (15%)



- Red (26%)
- Yellow (10%)
- Blue (15%)



- Cyan (0%)
- Magenta (61%)
- Yellow (42%)
- Black (74%)



- Cyan (74%)
- Magenta (90%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 21.435, 2.272 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, 21.435, 2.272 by changing the saturation by 10% instead.

 16, 21.435, 2.272  16, 21.435, 2.272

 100, 21.435, 2.272  6, 21.435, 2.272

 36, 21.435, 2.272  0, 21.435, 2.272

 46, 21.435, 2.272

 56, 21.435, 2.272

 66, 21.435, 2.272

 76, 21.435, 2.272

 86, 21.435, 2.272

 96, 21.435, 2.272

 16, 21.435, 2.272  16, 21.435, 2.272

14, 24.655, 4.440

18, 17.968, 0.494

13, 27.500, 7.107

20, 14.378,
359.010

12, 30.028, 10.165

22, 10.762,
357.748

11, 32.586, 12.332

24, 7.189, 356.655

26, 3.703, 355.680

28, 0.331, 354.242

31, 2.916, 174.221

33, 6.034, 173.502

35, 9.026, 172.870

Harmonies

Complementary

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



16, 21.435, 2.272



25, 18.465, 168.846

Rectangle

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



16, 21.435, 2.272



16, 21.435, 52.272



16, 21.435, 182.272



16, 21.435, 232.272

Sweetspot

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



16, 21.434, 2.274



32, 7.585, 356.426



15, 30.194, 317.421



14, 5.198, 356.563



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



16, 21.434, 2.274



19, 31.005, 5.689



17, 19.389, 38.701



12, 1.843, 355.443



19, 42.182, 15.741



47, 79.315, 20.385

Inverse Universe

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



16, 21.434, 2.274



19, 31.005, 5.689



23, 12.764, 220.937



12, 1.843, 355.443



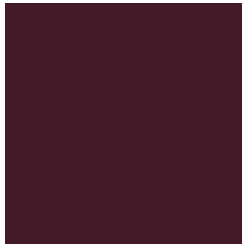
19, 42.182, 15.741



47, 79.315, 20.385

Previews

White Background



This preview shows how the CIELCh color 16, 21.435, 2.272 looks on a white background.

Color Contrast Check

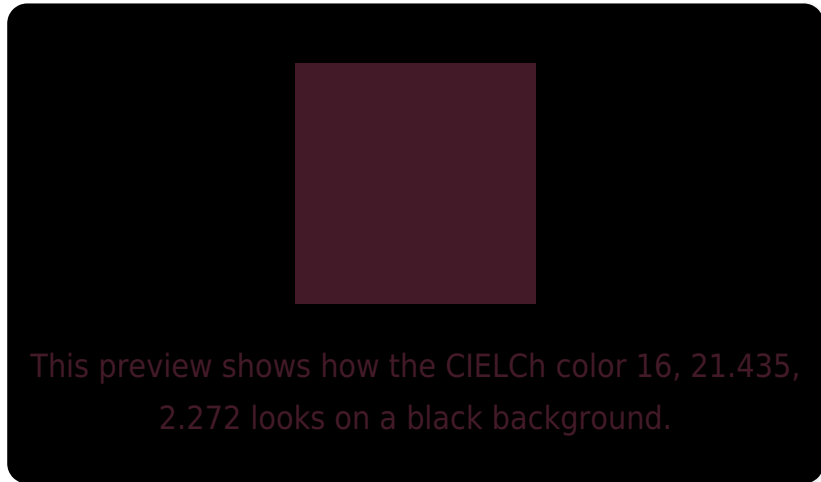
Large Text (above 18pt) WCAG AA ✓ Pass

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

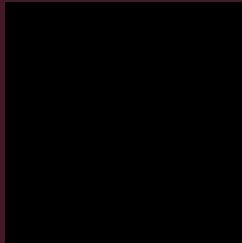
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 21.435, 2.272

Background



This preview shows how black text looks on a background with the CIELCh color 16, 21.435, 2.272.



This preview shows how white text looks on a background with the CIELCh color 16, 21.435, 2.272.

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, 21.435, 2.272

Protanopia

16, 5.608, 287.080

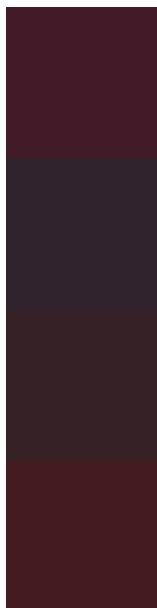
Deuteranopia

16, 3.785, 41.609



Tritanopia
16, 20.514, 21.723

Trichromacy



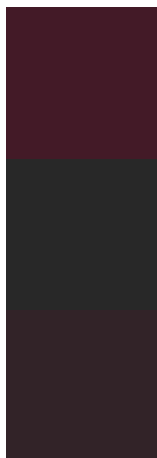
Original Color
16, 21.435, 2.272

Protanomaly
16, 9.640, 335.360

Deuteranomaly
16, 10.388, 6.792

Tritanomaly
16, 20.695, 14.635

Monochromacy



Original Color
16, 21.435, 2.272

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 8.155, 356.293

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 21.435, 2.272 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, 26, 39)` looks like.

```
.text, #text, p{  
    color:rgb(67, 26, 39)  
}
```

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, 26, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 26, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 21.435, 2.272 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, 26, 39) }
```

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

```
.border{ border-color:rgb(67, 26, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 26, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 26, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 26, 39);  
box-shadow:4px 4px 4px 4px rgb(67, 26, 39)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 21.435, 2.272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 26, 39) }
```

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

```
.background{ background-color: rgb(67, 26,  
39) }
```

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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