

Converting Colors

CIELCh(16, 34.610, 44.026)

Have a look what the booklet for
CIELCh(16, 34.610, 44.026) contains.

CIELCh(16, 34.409, 43.501)	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, 34.409, 43.501)

Conversions

Conversions Part 1

Format	Color
Hex	4C1501
RGB	76, 21, 1
RGB Percent	30%, 8%, 0%
CMY	0.7008, 0.9165, 0.9944
CMYK	0.00, 0.72, 0.98, 0.70
HSL	16°, 96%, 15%
HSV	16°, 98%, 30%
XYZ	3.2863, 2.0993, 0.2727
YIQ	35.1650, 39.2000, 5.4400

Conversions

Conversions Part 2

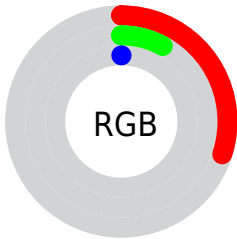
Format	Color
RYB	76, 28, 1
Decimal	4986113
CIELab	16.00, 24.96, 23.69
CIELCh	16, 34.409, 43.501
Yxy	2.0993, 0.5808, 0.3710
Android (android.graphics.Color)	4283176193 (0xFF4C1501)
YUV	35.1650, -16.8433, 35.8123
Hunter-Lab	14.4890, 15.1310, 9.0265

Details

The CIELCh color **16, 34.409, 43.501** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **22, 18.718, 243.900**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 34.502, 43.070**, and **1, 5.120, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **16, 34.959, 43.356**, and if you desaturate by 10%, it is **17, 31.368, 44.749**.

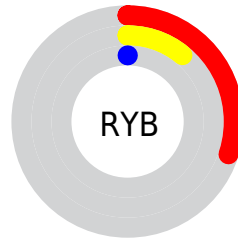
Distribution



Red (30%)

Green (8%)

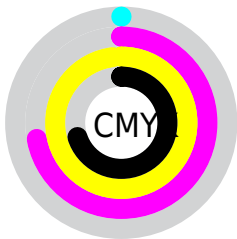
Blue (0%)



Red (30%)

Yellow (11%)

Blue (0%)

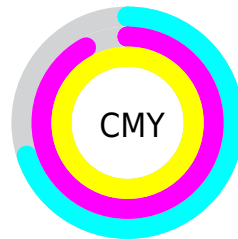


Cyan (0%)

Magenta (72%)

Yellow (98%)

Black (70%)



Cyan (70%)

Magenta (92%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 34.409, 43.501 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, 34.409, 43.501 by changing the saturation by 10% instead.

 16, 34.409, 43.501

 16, 34.409, 43.501

 100, 34.409,
43.501

 6, 34.409, 43.501

 36, 34.409, 43.501

 0, 34.409, 43.501

 46, 34.409, 43.501

 56, 34.409, 43.501

 66, 34.409, 43.501

 76, 34.409, 43.501

 86, 34.409, 43.501

 96, 34.409, 43.501

■ 16, 34.409, 43.501

■ 16, 34.409, 43.501

■ 16, 34.959, 43.356

■ 17, 31.368, 44.749

■ 19, 27.902, 45.974

■ 20, 23.675, 45.882

■ 22, 19.537, 45.769

■ 23, 15.613, 45.782

■ 25, 11.929, 45.917

■ 27, 8.486, 46.156

■ 29, 5.277, 46.473

■ 31, 2.286, 46.813

Harmonies

Complementary

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



16, 34.409, 43.501



22, 18.718, 243.900

Rectangle

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



16, 34.409, 43.501



16, 34.409, 93.501



16, 34.409, 223.501



16, 34.409, 273.501

Sweetspot

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



16, 34.408, 43.504



35, 10.966, 46.102



15, 40.085, 339.695



16, 7.653, 46.040



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



16, 34.408, 43.504



22, 45.161, 45.378



25, 34.135, 85.595



14, 1.573, 46.797



22, 46.229, 45.514



52, 89.349, 45.454

Inverse Universe

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



22, 18.718, 243.900



29, 22.941, 246.299



9, 40.966, 297.005



15, 1.505, 227.857



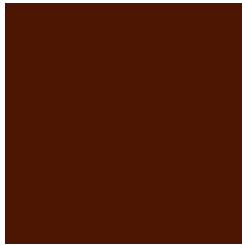
29, 23.373, 246.459



65, 43.236, 250.137

Previews

White Background



This preview shows how the CIELCh color 16, 34.409, 43.501 looks on a white background.

Color Contrast Check

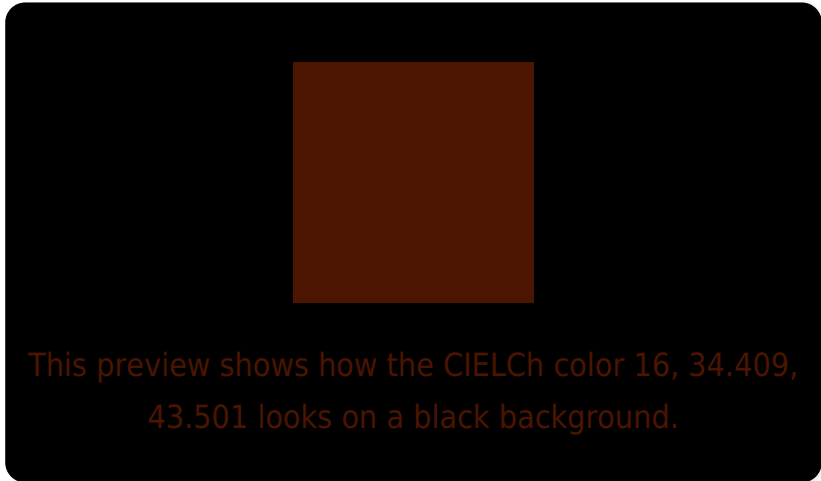
Large Text (above 18pt) WCAG AA ✓ Pass

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

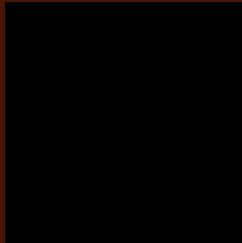
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 34.409, 43.501

Background



This preview shows how black text looks on a background with the CIELCh color 16, 34.409, 43.501.



This preview shows how white text looks on a background with the CIELCh color 16, 34.409, 43.501.

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, 34.409, 43.501

Protanopia

17, 20.844, 97.194

Deuteranopia

17, 24.520, 86.704



Tritanopia
16, 30.476, 28.275

Trichromacy



Original Color
16, 34.409, 43.501

Protanomaly
16, 22.570, 67.420

Deuteranomaly
16, 25.463, 65.337

Tritanomaly
16, 32.237, 34.947

Monochromacy



Original Color
16, 34.409, 43.501

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 12.405, 45.173

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 34.409, 43.501 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(76, 21, 1)` looks like.

```
.text, #text, p{  
    color:rgb(76, 21, 1)  
}
```

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(76, 21, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 21, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 34.409, 43.501 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(76, 21, 1) }
```

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

```
.border{ border-color:rgb(76, 21, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 21, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 21, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(76, 21, 1); box-shadow:4px  
4px 4px 4px rgb(76, 21, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 34.409, 43.501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 21, 1) }
```

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

```
.background{ background-color: rgb(76, 21,  
1) }
```

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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