

Converting Colors

CIELCh(15, 30.029, 42.143)

Have a look what the booklet for
CIELCh(15, 30.029, 42.143) contains.

CIELCh(15, 29.897, 42.360)	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(15, 29.897, 42.360)

Conversions

Conversions Part 1

Format	Color
Hex	461606
RGB	70, 22, 6
RGB Percent	27%, 9%, 2%
CMY	0.7245, 0.9128, 0.9751
CMYK	0.00, 0.68, 0.91, 0.72
HSL	15°, 83%, 15%
HSV	15°, 91%, 28%
XYZ	2.8708, 1.9086, 0.3998
YIQ	34.5280, 33.7440, 5.2000

Conversions

Conversions Part 2

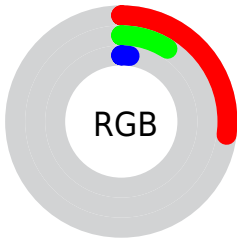
Format	Color
RYB	70, 27, 6
Decimal	4593158
CIELab	15.00, 22.09, 20.14
CIELCh	15, 29.897, 42.360
Yxy	1.9086, 0.5543, 0.3685
Android (android.graphics.Color)	4282783238 (0xFF461606)
YUV	34.5280, -14.0643, 31.1089
Hunter-Lab	13.8151, 12.9155, 7.9550

Details

The CIELCh color **15, 29.897, 42.360** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **21, 16.681, 238.213**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 29.758, 42.306**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 32.387, 41.397**, and if you desaturate by 10%, it is **16, 26.969, 43.996**.

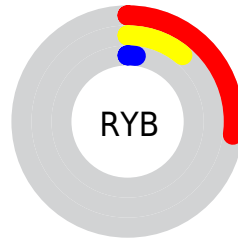
Distribution



Red (27%)

Green (9%)

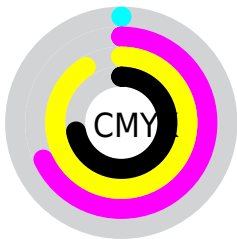
Blue (2%)



Red (27%)

Yellow (11%)

Blue (2%)

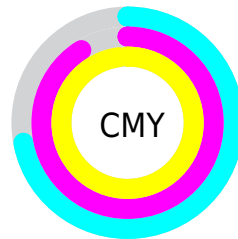


Cyan (0%)

Magenta (68%)

Yellow (91%)

Black (72%)



Cyan (72%)

Magenta (91%)

Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 29.897, 42.360 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 15, 29.897, 42.360 by changing the saturation by 10% instead.

 15, 29.897, 42.360

 15, 29.897, 42.360

 100, 29.897,
42.360

 5, 29.897, 42.360

 35, 29.897, 42.360

 0, 29.897, 42.360

 45, 29.897, 42.360

 55, 29.897, 42.360

 65, 29.897, 42.360

 75, 29.897, 42.360

 85, 29.897, 42.360

 95, 29.897, 42.360

■ 15, 29.897, 42.360

■ 15, 29.897, 42.360

■ 14, 32.387, 41.397

■ 16, 26.969, 43.996

■ 18, 23.338, 44.532

■ 19, 19.404, 44.267

■ 21, 15.663, 44.139

■ 22, 12.142, 44.145

■ 24, 8.848, 44.267

■ 26, 5.776, 44.481

■ 28, 2.913, 44.747

■ 30, 0.242, 44.166

Harmonies

Complementary

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



15, 29.897, 42.360



21, 16.681, 238.213

Rectangle

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



15, 29.897, 42.360



15, 29.897, 92.360



15, 29.897, 222.360



15, 29.897, 272.360

Sweetspot

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



15, 29.896, 42.363



33, 9.539, 44.320



14, 36.685, 337.998



15, 6.364, 44.295



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



15, 29.896, 42.363



20, 42.186, 43.927



23, 29.846, 85.277



13, 1.490, 44.804



21, 45.477, 44.459



51, 89.316, 44.811

Inverse Universe

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



21, 16.681, 238.213



27, 21.299, 242.455



10, 34.261, 293.966



13, 1.426, 225.734



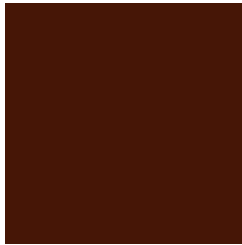
29, 22.571, 242.961



65, 41.978, 246.620

Previews

White Background



This preview shows how the CIELCh color 15, 29.897, 42.360 looks on a white background.

Color Contrast Check

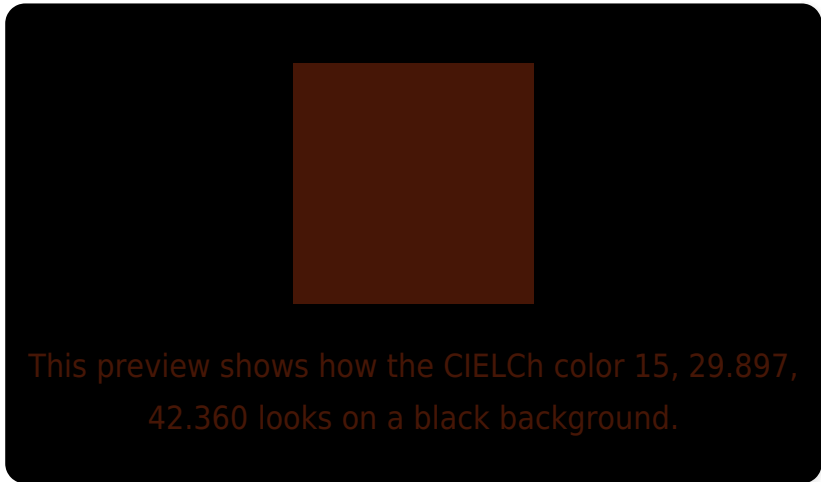
Large Text (above 18pt) WCAG AA ✓ Pass

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

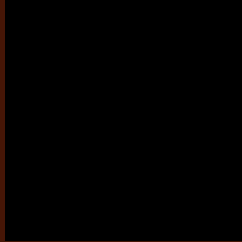
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 29.897, 42.360

Background



This preview shows how black text looks on a background with the CIELCh color 15, 29.897, 42.360.

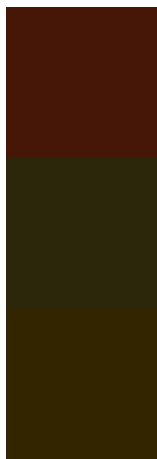


This preview shows how white text looks on a background with the CIELCh color 15, 29.897, 42.360.

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

15, 29.897, 42.360

Protanopia

16, 18.214, 96.564

Deuteranopia

15, 22.747, 85.569



Tritanopia
15, 26.918, 26.883

Trichromacy



Original Color
15, 29.897, 42.360

Protanomaly
15, 19.812, 68.073

Deuteranomaly
15, 23.333, 66.715

Tritanomaly
15, 28.410, 33.896

Monochromacy



Original Color
15, 29.897, 42.360

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 10.623, 41.079

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 29.897, 42.360 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, 22, 6)` looks like.

```
.text, #text, p{  
    color:rgb(70, 22, 6)  
}
```

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, 22, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 22, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 29.897, 42.360 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, 22, 6) }
```

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

```
.border{ border-color:rgb(70, 22, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 22, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 22, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(70, 22, 6); box-shadow:4px  
4px 4px 4px rgb(70, 22, 6) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 29.897, 42.360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 22, 6) }
```

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

```
.background{ background-color: rgb(70, 22,  
6) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor