

Converting Colors

CIELCh(16, 42.248, 29.489)

Have a look what the booklet for
CIELCh(16, 42.248, 29.489) contains.

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Color

CIELCh(16, 42.370, 29.525)

Conversions

Conversions Part 1

Format	Color
Hex	58010A
RGB	88, 1, 10
RGB Percent	35%, 0%, 4%
CMY	0.6559, 0.9971, 0.9621
CMYK	0.00, 0.99, 0.89, 0.66
HSL	354°, 98%, 17%
HSV	354°, 99%, 34%
XYZ	4.0611, 2.0993, 0.4688
YIQ	28.0390, 48.9630, 21.2430

Conversions

Conversions Part 2

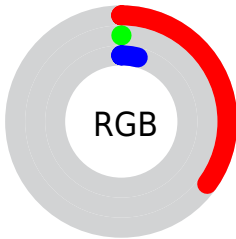
Format	Color
R_{YB}	88, 1, 10
Decimal	5767434
CIE Lab	16.00, 36.87, 20.88
CIE LCh	16, 42.370, 29.525
Yxy	2.0993, 0.6126, 0.3167
Android (android.graphics.Color)	4283957514 (0xFF58010A)
YUV	28.0390, -8.8932, 52.5858
Hunter-Lab	14.4890, 24.6759, 8.2237

Details

The CIELCh color **16, 42.370, 29.525** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **33, 25.060, 182.965**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 42.635, 29.629**, and **3, 14.623, 17.825** is the 20% darker color. If you saturate the color by 10%, you get **16, 42.636, 29.569**, and if you desaturate by 10%, it is **17, 39.016, 27.915**.

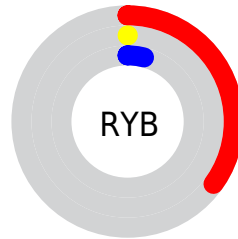
Distribution



Red (35%)

Green (0%)

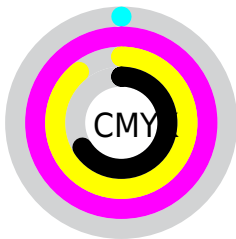
Blue (4%)



Red (35%)

Yellow (0%)

Blue (4%)

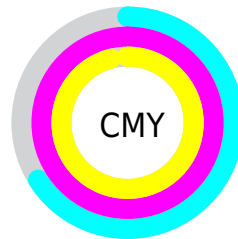


Cyan (0%)

Magenta (99%)

Yellow (89%)

Black (66%)



Cyan (66%)

Magenta (100%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 42.370, 29.525 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, 42.370, 29.525 by changing the saturation by 10% instead.

 16, 42.370, 29.525

 16, 42.370, 29.525

 100, 42.370,
29.525

 6, 42.370, 29.525

 36, 42.370, 29.525

 0, 42.370, 29.525

 46, 42.370, 29.525

 56, 42.370, 29.525

 66, 42.370, 29.525

 76, 42.370, 29.525

 86, 42.370, 29.525

 96, 42.370, 29.525

■ 16, 42.370, 29.525

■ 16, 42.370, 29.525

■ 16, 42.636, 29.569

■ 17, 39.016, 27.915

■ 18, 34.999, 24.389

■ 20, 30.555, 21.218

■ 22, 25.902, 18.646

■ 24, 21.177, 16.587

■ 27, 16.504, 14.936

■ 29, 11.975, 13.600

■ 32, 7.646, 12.499

■ 35, 3.547, 11.554

Harmonies

Complementary

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



16, 42.370, 29.525



33, 25.060, 182.965

Rectangle

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



16, 42.370, 29.525



16, 42.370, 79.525



16, 42.370, 209.525



16, 42.370, 259.525

Sweetspot

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



16, 42.368, 29.527



38, 15.451, 13.827



17, 53.237, 324.044



18, 10.702, 14.173



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



16, 42.368, 29.527



22, 53.364, 33.140



21, 38.004, 52.803



16, 2.144, 11.518



21, 50.409, 32.393



49, 93.709, 36.391

Inverse Universe

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



16, 42.368, 29.527



22, 53.364, 33.140



22, 24.631, 265.449



16, 2.144, 11.518



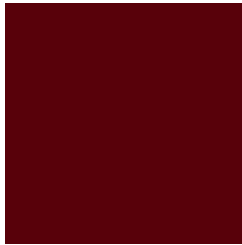
21, 50.409, 32.393



49, 93.709, 36.391

Previews

White Background



This preview shows how the CIELCh color 16, 42.370, 29.525 looks on a white background.

Color Contrast Check

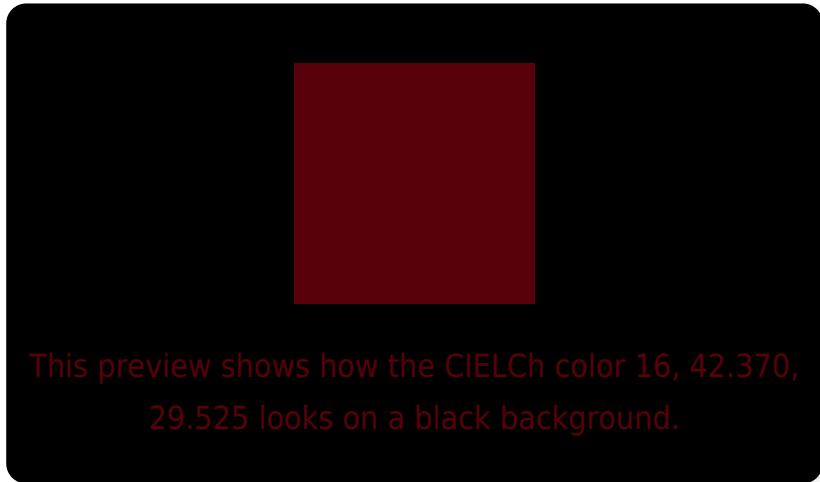
Large Text (above 18pt) WCAG AA ✓ Pass

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

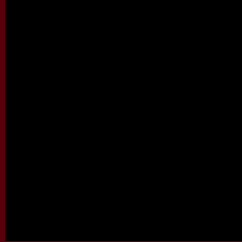
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 42.370, 29.525

Background



This preview shows how black text looks on a background with the CIELCh color 16, 42.370, 29.525.

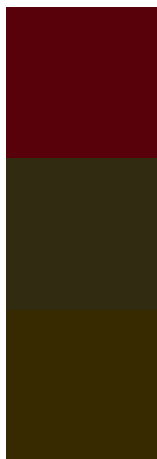


This preview shows how white text looks on a background with the CIELCh color 16, 42.370, 29.525.

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, 42.370, 29.525

Protanopia

18, 18.217, 96.751

Deuteranopia

18, 25.888, 86.144



Tritanopia
17, 42.500, 36.716

Trichromacy



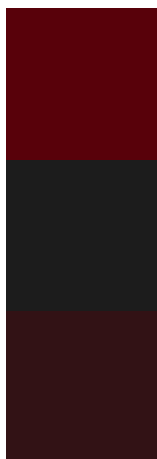
Original Color
16, 42.370, 29.525

Protanomaly
15, 22.882, 46.640

Deuteranomaly
16, 28.368, 50.160

Tritanomaly
16, 42.220, 33.709

Monochromacy



Original Color
16, 42.370, 29.525

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 17.501, 18.814

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 42.370, 29.525 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(88, 1, 10)` looks like.

```
.text, #text, p{  
    color:rgb(88, 1, 10)  
}
```

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(88, 1, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 1, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 42.370, 29.525 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(88, 1, 10) }
```

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

```
.border{ border-color:rgb(88, 1, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 1, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 1, 10); -webkit-box-shadow:4px  
4px 4px 4px rgb(88, 1, 10); box-shadow:4px  
4px 4px 4px rgb(88, 1, 10) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 42.370, 29.525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 1, 10) }
```

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

```
.background{ background-color: rgb(88, 1,  
10) }
```

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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