

Converting Colors

CIELCh(16, 33.974, 28.545)

Have a look what the booklet for
CIELCh(16, 33.974, 28.545) contains.

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Color

CIELCh(16, 34.113, 28.465)

Conversions

Conversions Part 1

Format	Color
Hex	500F12
RGB	80, 15, 18
RGB Percent	31%, 6%, 7%
CMY	0.6858, 0.9407, 0.9290
CMYK	0.00, 0.81, 0.77, 0.69
HSL	357°, 68%, 19%
HSV	357°, 81%, 31%
XYZ	3.6003, 2.0993, 0.7919
YIQ	34.7770, 37.7770, 14.7130

Conversions

Conversions Part 2

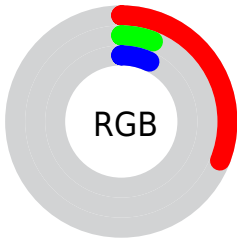
Format	Color
R_YB	80, 15, 18
Decimal	5246738
CIE Lab	16.00, 29.99, 16.26
CIE LCh	16, 34.113, 28.465
Yxy	2.0993, 0.5546, 0.3234
Android (android.graphics.Color)	4283436818 (0xFF500F12)
YUV	34.7770, -8.2711, 39.6606
Hunter-Lab	14.4890, 18.9986, 6.9017

Details

The CIELCh color **16, 34.113, 28.465** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **30, 20.518, 191.117**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 34.197, 28.311**, and **2, 8.895, 16.806** is the 20% darker color. If you saturate the color by 10%, you get **15, 37.489, 30.030**, and if you desaturate by 10%, it is **17, 29.796, 25.633**.

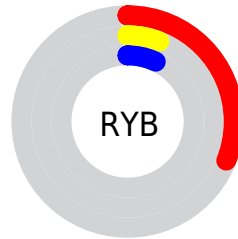
Distribution



Red (31%)

Green (6%)

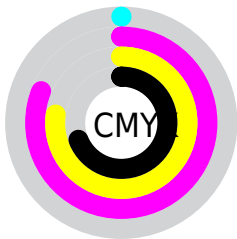
Blue (7%)



Red (31%)

Yellow (6%)

Blue (7%)

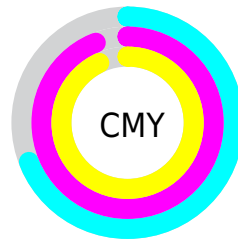


Cyan (0%)

Magenta (81%)

Yellow (77%)

Black (69%)



Cyan (69%)

Magenta (94%)

Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 16, 34.113, 28.465 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, 34.113, 28.465 by changing the saturation by 10% instead.

 16, 34.113, 28.465

 16, 34.113, 28.465

 100, 34.113,
28.465

 6, 34.113, 28.465

 36, 34.113, 28.465

 0, 34.113, 28.465

 46, 34.113, 28.465

 56, 34.113, 28.465

 66, 34.113, 28.465

 76, 34.113, 28.465

 86, 34.113, 28.465

 96, 34.113, 28.465

■ 16, 34.113, 28.465

■ 16, 34.113, 28.465

■ 15, 37.489, 30.030

■ 17, 29.796, 25.633

■ 14, 40.205, 30.307

■ 19, 25.253, 23.105

■ 21, 20.692, 21.079

■ 24, 16.221, 19.468

■ 26, 11.921, 18.182

■ 29, 7.839, 17.145

■ 31, 3.995, 16.280

■ 34, 0.392, 14.949

■ 36, 2.979, 195.202

Harmonies

Complementary

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



16, 34.113, 28.465



30, 20.518, 191.117

Rectangle

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



16, 34.113, 28.465



16, 34.113, 78.465



16, 34.113, 208.465



16, 34.113, 258.465

Sweetspot

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



16, 34.112, 28.468



36, 11.231, 17.508



18, 44.544, 326.222



17, 7.831, 17.729



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



16, 34.112, 28.468



20, 49.501, 34.083



22, 28.656, 61.374



15, 2.021, 16.086



20, 50.588, 34.460



48, 95.569, 38.614

Inverse Universe

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



16, 34.112, 28.468



20, 49.501, 34.083



20, 21.549, 267.118



15, 2.021, 16.086



20, 50.588, 34.460



48, 95.569, 38.614

Previews

White Background



This preview shows how the CIELCh color 16, 34.113, 28.465 looks on a white background.

Color Contrast Check

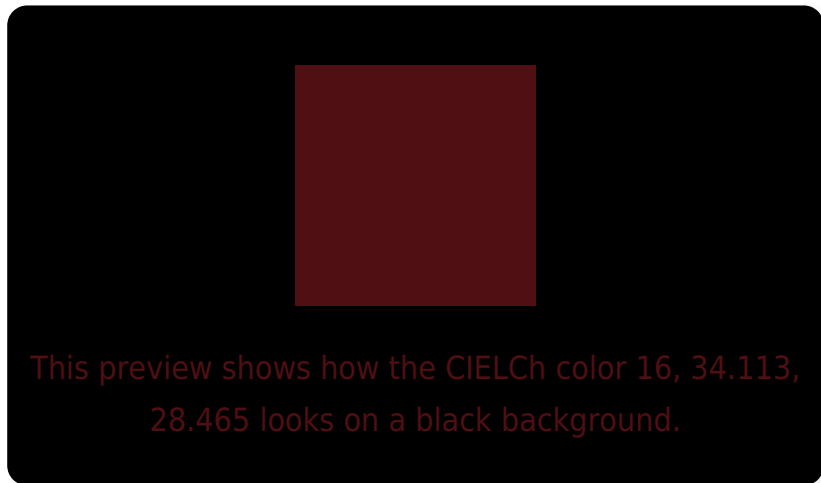
Large Text (above 18pt) WCAG AA ✓ Pass

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

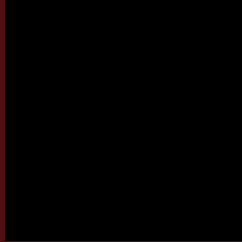
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 34.113, 28.465

Background



This preview shows how black text looks on a background with the CIELCh color 16, 34.113, 28.465.

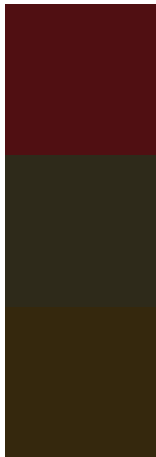


This preview shows how white text looks on a background with the CIELCh color 16, 34.113, 28.465.

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, 34.113, 28.465

Protanopia

17, 11.202, 96.226

Deuteranopia

17, 19.391, 83.045



Tritanopia
16, 34.541, 31.586

Trichromacy



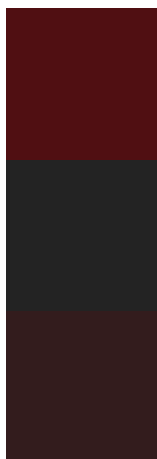
Original Color
16, 34.113, 28.465

Protanomaly
15, 16.152, 45.006

Deuteranomaly
16, 22.030, 51.067

Tritanomaly
16, 34.312, 30.796

Monochromacy



Original Color
16, 34.113, 28.465

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 12.212, 19.708

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 34.113, 28.465 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(80, 15, 18)` looks like.

```
.text, #text, p{  
    color:rgb(80, 15, 18)  
}
```

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(80, 15, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 15, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 34.113, 28.465 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(80, 15, 18) }
```

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

```
.border{ border-color:rgb(80, 15, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 15, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 15, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 15, 18);  
box-shadow:4px 4px 4px 4px rgb(80, 15, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 34.113, 28.465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 15, 18) }
```

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

```
.background{ background-color: rgb(80, 15,  
18) }
```

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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