

Converting Colors

CIELCh(14, 16.634, 98.116)

Have a look what the booklet for
CIELCh(14, 16.634, 98.116) contains.

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Color

CIELCh(14, 16.634, 98.116)

Conversions

Conversions Part 1

Format	Color
Hex	28240A
RGB	40, 36, 10
RGB Percent	16%, 14%, 4%
CMY	0.8434, 0.8591, 0.9612
CMYK	0.00, 0.10, 0.75, 0.84
HSL	52°, 60%, 10%
HSV	52°, 75%, 16%
XYZ	1.5561, 1.7298, 0.5363
YIQ	34.2320, 10.7300, -7.2380

Conversions

Conversions Part 2

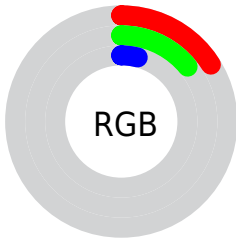
Format	Color
R_{YB}	15, 40, 10
Decimal	2630666
CIE Lab	14.00, -2.35, 16.47
CIE LCh	14, 16.634, 98.116
Yxy	1.7298, 0.4071, 0.4526
Android (android.graphics.Color)	4280820746 (0xFF28240A)
YUV	34.2320, -11.9464, 5.0585
Hunter-Lab	13.1521, -1.8962, 6.7889

Details

The CIELCh color **14, 16.634, 98.116** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **5, 18.738, 290.429**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 16.373, 97.186**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 17.940, 97.577**, and if you desaturate by 10%, it is **14, 15.151, 98.724**.

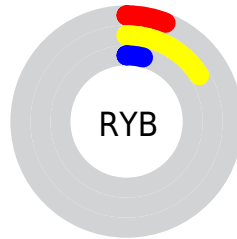
Distribution



Red (16%)

Green (14%)

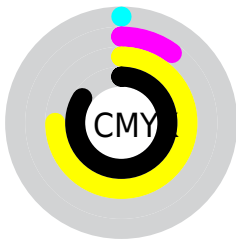
Blue (4%)



Red (6%)

Yellow (16%)

Blue (4%)

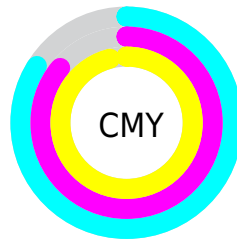


Cyan (0%)

Magenta (10%)

Yellow (75%)

Black (84%)



Cyan (84%)

Magenta (86%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 16.634, 98.116 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 14, 16.634, 98.116 by changing the saturation by 10% instead.

 14, 16.634, 98.116

 14, 16.634, 98.116

 100, 16.634,
98.116

 4, 16.634, 98.116

 34, 16.634, 98.116

 0, 16.634, 98.116

 44, 16.634, 98.116

 54, 16.634, 98.116

 64, 16.634, 98.116

 74, 16.634, 98.116

 84, 16.634, 98.116

 94, 16.634, 98.116

■ 14, 16.634, 98.116

■ 14, 16.634, 98.116

■ 14, 17.940, 97.577

■ 14, 15.151, 98.724

■ 14, 19.245, 97.128

■ 14, 13.271, 99.385

■ 13, 19.871, 96.941

■ 15, 10.991,
100.209

■ 15, 8.577, 101.096

■ 15, 6.144, 101.976

■ 16, 3.703, 102.840

■ 16, 1.263, 103.671

■ 16, 1.169, 284.570

■ 17, 3.590, 285.355

Harmonies

Complementary

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



14, 16.634, 98.116



5, 18.738, 290.429

Rectangle

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



14, 16.634, 98.116



14, 16.634, 148.116



14, 16.634, 278.116



14, 16.634, 328.116

Sweetspot

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



14, 16.634, 98.119



20, 6.897, 102.048



6, 16.055, 13.783



8, 4.308, 102.981



63, 0.008, 296.813



9, 0.003, 296.813

Same Dimension

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



14, 16.634, 98.119



18, 24.205, 96.197



14, 19.971, 122.986



6, 1.127, 103.858



31, 39.750, 94.247



75, 76.828, 93.336

Inverse Universe

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



5, 18.738, 290.429



5, 28.664, 294.744



5, 21.329, 304.748



6, 1.142, 284.412



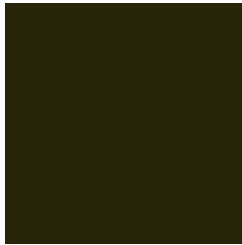
8, 52.215, 302.419



28, 108.903, 304.456

Previews

White Background



This preview shows how the CIELCh color 14, 16.634, 98.116 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



This preview shows how the CIELCh color 14, 16.634, 98.116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

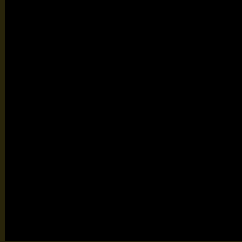
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 16.634, 98.116

Background



This preview shows how black text looks on a background with the CIELCh color 14, 16.634, 98.116.

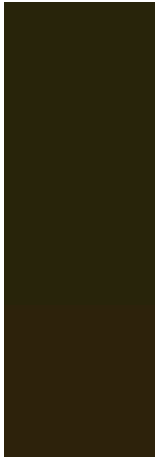


This preview shows how white text looks on a background with the CIELCh color 14, 16.634, 98.116.

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

14, 16.634, 98.116

Protanopia

14, 16.634, 98.116

Deuteranopia

14, 16.213, 83.218



Tritanopia
14, 4.235, 0.993

Trichromacy



Original Color
14, 16.634, 98.116

Protanomaly
14, 16.634, 98.116

Deuteranomaly
14, 16.156, 89.625

Tritanomaly
14, 6.533, 79.209

Monochromacy



Original Color
14, 16.634, 98.116

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 7.106, 103.782

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 16.634, 98.116 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(40, 36, 10)` looks like.

```
.text, #text, p{  
    color:rgb(40, 36, 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(40, 36, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 36, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 16.634, 98.116 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(40, 36, 10) }
```

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

```
.border{ border-color:rgb(40, 36, 10) }
```

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

Here you see how a box with a 4 pixel rgb(40, 36, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 36, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 36, 10);  
box-shadow:4px 4px 4px 4px rgb(40, 36, 10)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 16.634, 98.116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 36, 10) }
```

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

```
.background{ background-color: rgb(40, 36,  
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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