

Converting Colors

CIELCh(14, 8.166, 72.489)

Have a look what the booklet for
CIELCh(14, 8.166, 72.489) contains.

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Color

CIELCh(14, 8.112, 71.231)

Conversions

Conversions Part 1

Format	Color
Hex	2B2219
RGB	43, 34, 25
RGB Percent	17%, 13%, 10%
CMY	0.8313, 0.8666, 0.9019
CMYK	0.00, 0.21, 0.42, 0.83
HSL	30°, 26%, 13%
HSV	30°, 42%, 17%
XYZ	1.7457, 1.7298, 1.1628
YIQ	35.6650, 8.2530, -0.8910

Conversions

Conversions Part 2

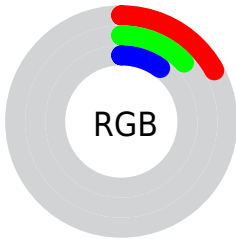
Format	Color
RYB	43, 43, 25
Decimal	2826777
CIELab	14.00, 2.61, 7.68
CIELCh	14, 8.112, 71.231
Yxy	1.7298, 0.3764, 0.3729
Android (android.graphics.Color)	4281016857 (0xFF2B2219)
YUV	35.6650, -5.2578, 6.4328
Hunter-Lab	13.1521, 0.6762, 3.9644

Details

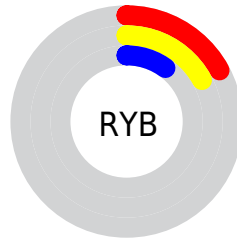
The CIELCh color **14, 8.112, 71.231** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **13, 7.383, 260.888**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 8.074, 70.177**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **13, 10.232, 70.199**, and if you desaturate by 10%, it is **15, 6.056, 72.246**.

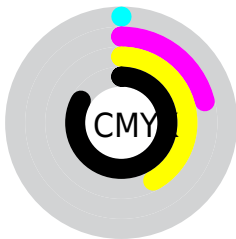
Distribution



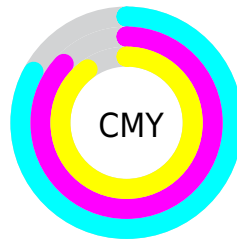
- Red (17%)
- Green (13%)
- Blue (10%)



- Red (17%)
- Yellow (17%)
- Blue (10%)



- Cyan (0%)
- Magenta (21%)
- Yellow (42%)
- Black (83%)



- Cyan (83%)
- Magenta (87%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 8.112, 71.231 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, 8.112, 71.231 by changing the saturation by 10% instead.

 14, 8.112, 71.231  14, 8.112, 71.231

 100, 8.112, 71.231  4, 8.112, 71.231

 34, 8.112, 71.231  0, 8.112, 71.231

 44, 8.112, 71.231

 54, 8.112, 71.231

 64, 8.112, 71.231

 74, 8.112, 71.231

 84, 8.112, 71.231

 94, 8.112, 71.231

 14, 8.112, 71.231  14, 8.112, 71.231

■ 13, 10.232, 70.199

■ 15, 6.056, 72.246

■ 12, 12.085, 68.550

■ 16, 4.076, 73.242

■ 12, 13.552, 66.202

■ 17, 2.168, 74.209

■ 11, 14.731, 63.391

■ 17, 0.329, 74.860

■ 10, 15.899, 60.915

■ 18, 1.447, 256.297

■ 10, 16.868, 59.190

■ 19, 3.164, 257.188

■ 20, 4.828, 258.087

■ 21, 6.444, 258.968

■ 22, 8.017, 259.822

Harmonies

Complementary

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



14, 8.112, 71.231



13, 7.383, 260.888

Rectangle

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



14, 8.112, 71.231



14, 8.112, 121.231



14, 8.112, 251.231



14, 8.112, 301.231

Sweetspot

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



14, 8.112, 71.238



22, 2.989, 74.025



11, 11.001, 346.857



9, 2.039, 73.991



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



14, 8.112, 71.238



18, 12.388, 70.098



17, 12.284, 106.934



6, 0.779, 74.169



22, 35.783, 62.528



56, 74.202, 60.226

Inverse Universe

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



13, 7.383, 260.888



16, 10.960, 262.968



10, 13.355, 294.454



6, 0.794, 256.660



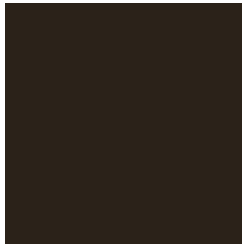
17, 29.802, 279.983



46, 63.327, 284.517

Previews

White Background



This preview shows how the CIELCh color 14, 8.112, 71.231 looks on a white background.

Color Contrast Check

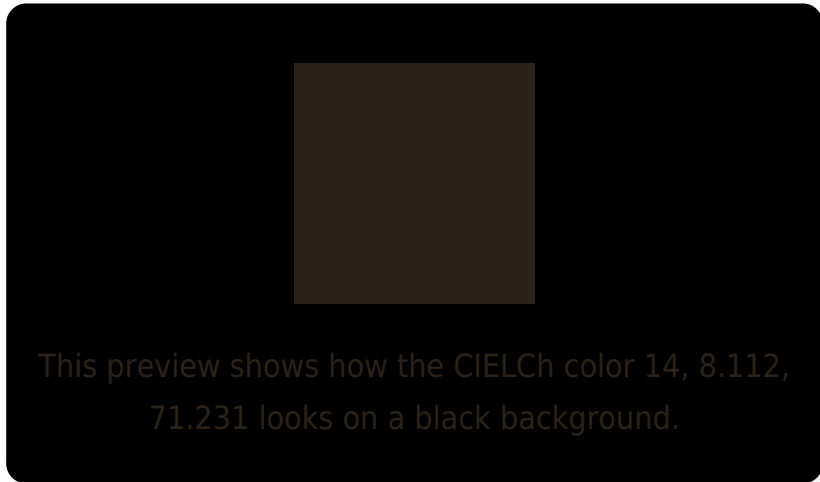
Large Text (above 18pt) WCAG AA ✓ Pass

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

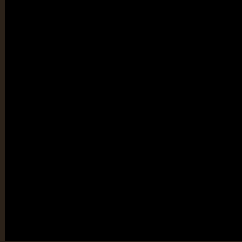
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 8.112, 71.231

Background



This preview shows how black text looks on a background with the CIELCh color 14, 8.112, 71.231.

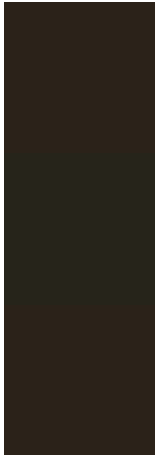


This preview shows how white text looks on a background with the CIELCh color 14, 8.112, 71.231.

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, 8.112, 71.231

Protanopia

14, 7.138, 99.564

Deuteranopia

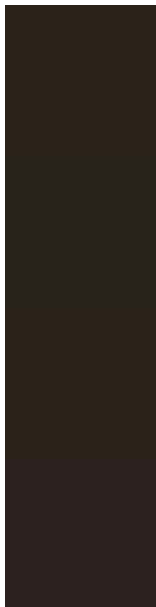
14, 8.112, 71.231



Tritanopia

14, 5.724, 6.665

Trichromacy



Original Color
14, 8.112, 71.231

Protanomaly
14, 6.932, 85.596

Deuteranomaly
14, 8.112, 71.231

Tritanomaly
14, 5.933, 34.510

Monochromacy



Original Color
14, 8.112, 71.231

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 2.950, 65.731

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 8.112, 71.231 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(43, 34, 25)` looks like.

```
.text, #text, p{  
    color:rgb(43, 34, 25)  
}
```

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(43, 34, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 34, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 8.112, 71.231 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(43, 34, 25) }
```

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

```
.border{ border-color:rgb(43, 34, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 34, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 34, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 34, 25);  
box-shadow:4px 4px 4px 4px rgb(43, 34, 25)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 8.112, 71.231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 34, 25) }
```

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

```
.background{ background-color: rgb(43, 34,  
25) }
```

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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