

Converting Colors

CIELCh(14, 81.540, 306.904)

Have a look what the booklet for
CIELCh(14, 81.540, 306.904)
contains.

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Color

CIELCh(14, 81.440, 306.771)

Conversions

Conversions Part 1

Format	Color
Hex	0D0084
RGB	13, 0, 132
RGB Percent	5%, 0%, 52%
CMY	0.9499, 1.0000, 0.4841
CMYK	0.90, 1.00, 0.00, 0.48
HSL	246°, 100%, 26%
HSV	246°, 100%, 52%
XYZ	4.2928, 1.7298, 21.7764
YIQ	18.9350, -34.6240, 43.8080

Conversions

Conversions Part 2

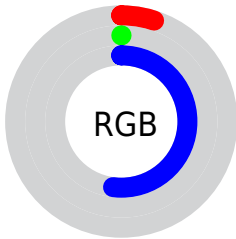
Format	Color
RYB	13, 0, 132
Decimal	852100
CIELab	14.00, 48.75, -65.24
CIELCh	14, 81.440, 306.771
Yxy	1.7298, 0.1544, 0.0622
Android (android.graphics.Color)	4279042180 (0xFF0D0084)
YUV	18.9350, 55.7410, -5.2050
Hunter-Lab	13.1521, 35.2457, -88.9622

Details

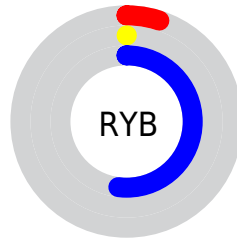
The CIELCh color **14, 81.440, 306.771** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **52, 59.673, 108.628**, and the grayscale version is **6, 0.002, 296.812**.

A 20% lighter version of the original color is **34, 81.758, 306.639**, and **5, 56.802, 305.403** is the 20% darker color. If you saturate the color by 10%, you get **14, 81.298, 306.725**, and if you desaturate by 10%, it is **16, 75.703, 305.703**.

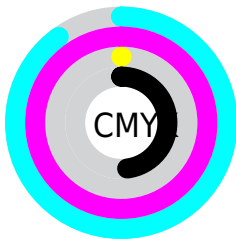
Distribution



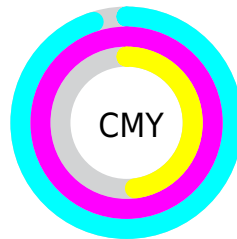
- Red (5%)
- Green (0%)
- Blue (52%)



- Red (5%)
- Yellow (0%)
- Blue (52%)



- Cyan (90%)
- Magenta (100%)
- Yellow (0%)
- Black (48%)



- Cyan (95%)
- Magenta (100%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 81.440, 306.771 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, 81.440, 306.771 by changing the saturation by 10% instead.

■ 14, 81.440,
306.771

■ 14, 81.440,
306.771

■ 100, 81.440,
306.771

■ 4, 81.440, 306.771

■ 34, 81.440,
306.771

■ 0, 81.440, 306.771

■ 44, 81.440,
306.771


■ 54, 81.440,
306.771


■ 64, 81.440,
306.771


■ 74, 81.440,
306.771


■ 84, 81.440,


306.771

 94, 81.440,
306.771


 14, 81.440,
306.771


 14, 81.440,
306.771


 14, 81.298,
306.725

 16, 75.703,
305.703

 19, 68.616,
304.469

 23, 60.042,
302.908

 27, 50.898,
301.254

 32, 41.717,
299.661

■ 36, 32.746,
298.207

■ 41, 24.079,
296.919

■ 46, 15.740,
295.798

■ 50, 7.722, 294.831

Harmonies

Complementary

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



14, 81.440, 306.771



52, 59.673, 108.628

Rectangle

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



14, 81.440, 306.771



14, 81.440, 356.771



14, 81.440, 126.771



14, 81.440, 176.771

Sweetspot

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



14, 81.298, 306.725



53, 29.853, 297.001



46, 27.753, 210.450



25, 20.674, 297.451



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



14, 81.298, 306.725



20, 98.579, 306.627



21, 74.814, 314.269



25, 4.376, 294.754



14, 80.620, 306.730



0, 1.032, 293.994

Inverse Universe

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



30, 65.660, 332.388



40, 79.361, 332.492



48, 68.158, 130.091



26, 4.933, 327.665



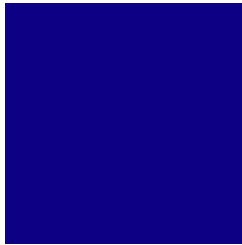
30, 65.123, 332.383



0, 1.175, 327.182

Previews

White Background



This preview shows how the CIELCh color 14, 81.440, 306.771 looks on a white background.

Color Contrast Check

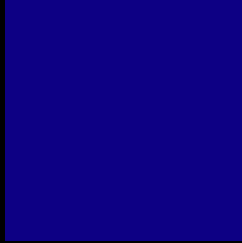
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.440, 306.771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

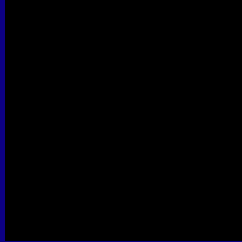
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 81.440, 306.771

Background



This preview shows how black text looks on a background with the CIELCh color 14, 81.440, 306.771.



This preview shows how white text looks on a background with the CIELCh color 14, 81.440, 306.771.

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, 81.492, 306.731

Protanopia

16, 29.899, 281.560

Deuteranopia

16, 21.374, 266.887



Tritanopia
16, 14.573, 202.107

Trichromacy



Original Color
14, 81.492, 306.731

Protanomaly
13, 51.656, 299.093

Deuteranomaly
13, 46.559, 297.429

Tritanomaly
12, 35.150, 291.560

Monochromacy



Original Color
14, 81.492, 306.731

Achromatopsia
6, 0.002, 296.812

Achromatomaly
6, 35.394, 302.800

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 81.440, 306.771 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(13, 0, 132)` looks like.

```
.text, #text, p{  
    color:rgb(13, 0, 132)  
}
```

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(13, 0, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 0, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 81.440, 306.771 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(13, 0, 132) }
```

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

```
.border{ border-color:rgb(13, 0, 132) }
```

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

Here you see how a box with a 4 pixel rgb(13, 0, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 0, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 0, 132);  
box-shadow:4px 4px 4px 4px rgb(13, 0, 132)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 81.440, 306.771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 0, 132) }
```

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

```
.background{ background-color: rgb(13, 0,  
132) }
```

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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