

Converting Colors

CIELCh(14, 81.655, 306.056)

Have a look what the booklet for
CIELCh(14, 81.655, 306.056)
contains.

CIELCh(14, 81.678, 306.052)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(14, 81.678, 306.052)

Conversions

Conversions Part 1

Format	Color
Hex	000285
RGB	0, 2, 133
RGB Percent	0%, 1%, 52%
CMY	0.9986, 0.9928, 0.4792
CMYK	1.00, 0.99, 0.00, 0.48
HSL	239°, 99%, 26%
HSV	239°, 100%, 52%
XYZ	4.2436, 1.7298, 22.2258
YIQ	16.3360, -43.2430, 40.3170

Conversions

Conversions Part 2

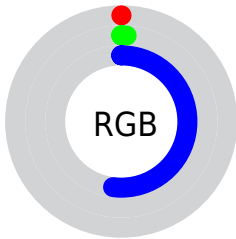
Format	Color
RYB	0, 2, 133
Decimal	645
CIELab	14.00, 48.07, -66.04
CIELCh	14, 81.678, 306.052
Yxy	1.7298, 0.1505, 0.0613
Android (android.graphics.Color)	4278190725 (0xFF000285)
YUV	16.3360, 57.5154, -14.3267
Hunter-Lab	13.1521, 34.5784, -90.9880

Details

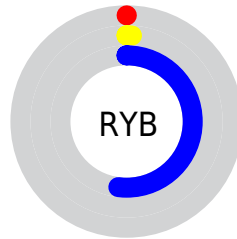
The CIELCh color **14, 81.678, 306.052** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **53, 59.157, 102.188**, and the grayscale version is **5, 0.001, 296.812**.

A 20% lighter version of the original color is **34, 81.856, 305.989**, and **6, 57.448, 305.511** is the 20% darker color. If you saturate the color by 10%, you get **14, 81.841, 306.090**, and if you desaturate by 10%, it is **16, 76.104, 304.765**.

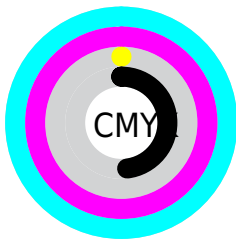
Distribution



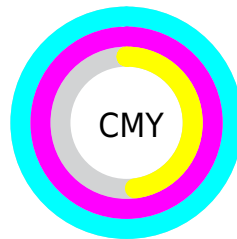
- Red (0%)
- Green (1%)
- Blue (52%)



- Red (0%)
- Yellow (1%)
- Blue (52%)



- Cyan (100%)
- Magenta (99%)
- Yellow (0%)
- Black (48%)



- Cyan (100%)
- Magenta (99%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 81.678, 306.052 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, 81.678, 306.052 by changing the saturation by 10% instead.

■ 14, 81.678,
306.052

■ 14, 81.678,
306.052

■ 100, 81.678,
306.052

■ 4, 81.678, 306.052

■ 34, 81.678,
306.052

■ 0, 81.678, 306.052

■ 44, 81.678,
306.052


■ 54, 81.678,
306.052


■ 64, 81.678,
306.052


■ 74, 81.678,
306.052


■ 84, 81.678,


306.052


 94, 81.678,
306.052


 14, 81.678,
306.052


 14, 81.678,
306.052


 14, 81.841,
306.090

 16, 76.104,
304.765

 19, 68.712,
302.998

 23, 59.869,
300.887

 27, 50.557,
298.717

 32, 41.304,
296.674

■ 36, 32.330,
294.844

■ 41, 23.699,
293.251

■ 46, 15.414,
291.883

■ 51, 7.455, 290.717

Harmonies

Complementary

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



14, 81.678, 306.052



53, 59.157, 102.188

Rectangle

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



14, 81.678, 306.052



14, 81.678, 356.052



14, 81.678, 126.052



14, 81.678, 176.052

Sweetspot

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



14, 81.680, 306.053



53, 29.804, 293.394



50, 31.228, 193.934



25, 20.396, 293.945



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, 81.680, 306.053



20, 99.692, 306.144



19, 76.783, 311.837



25, 4.314, 290.653



13, 80.601, 306.085



0, 1.017, 289.739

Inverse Universe

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



27, 62.735, 38.181



36, 77.757, 39.480



49, 66.463, 127.012



26, 3.049, 18.986



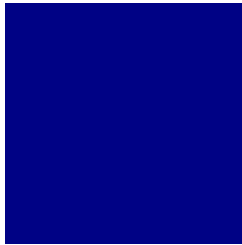
26, 61.782, 38.076



0, 0.707, 18.487

Previews

White Background



This preview shows how the CIELCh color 14, 81.678, 306.052 looks on a white background.

Color Contrast Check

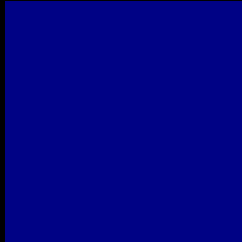
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.678, 306.052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

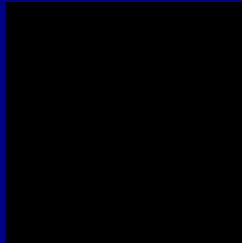
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 81.678, 306.052

Background



This preview shows how black text looks on a background with the CIELCh color 14, 81.678, 306.052.



This preview shows how white text looks on a background with the CIELCh color 14, 81.678, 306.052.

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, 81.721, 306.019

Protanopia

16, 29.899, 281.560

Deuteranopia

16, 21.374, 266.887



Tritanopia
16, 14.573, 202.107

Trichromacy



Original Color
14, 81.721, 306.019

Protanomaly
13, 52.386, 298.728

Deuteranomaly
13, 45.920, 296.201

Tritanomaly
12, 35.259, 290.424

Monochromacy



Original Color
14, 81.721, 306.019

Achromatopsia
5, 0.001, 296.812

Achromatomaly
6, 34.382, 299.983

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 81.678, 306.052 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(0, 2, 133)` looks like.

```
.text, #text, p{  
    color:rgb(0, 2, 133)  
}
```

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(0, 2, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 2, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 81.678, 306.052 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(0, 2, 133) }
```

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

```
.border{ border-color:rgb(0, 2, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 2, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 2, 133); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 2, 133); box-shadow:4px  
4px 4px 4px rgb(0, 2, 133) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 81.678, 306.052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 2, 133) }
```

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

```
.background{ background-color: rgb(0, 2,  
133) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor