

Converting Colors

CIELCh(14, 78.498, 306.874)

Have a look what the booklet for
CIELCh(14, 78.498, 306.874)
contains.

CIELCh(14, 78.434, 306.844)	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, 78.434, 306.844)

Conversions

Conversions Part 1

Format	Color
Hex	130280
RGB	19, 2, 128
RGB Percent	7%, 1%, 50%
CMY	0.9241, 0.9932, 0.4993
CMYK	0.85, 0.99, 0.00, 0.50
HSL	248°, 97%, 25%
HSV	248°, 99%, 50%
XYZ	4.1696, 1.7298, 20.4269
YIQ	21.4470, -30.3140, 42.7900

Conversions

Conversions Part 2

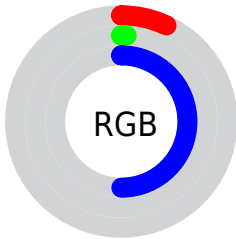
Format	Color
R_{YB}	19, 2, 128
Decimal	1245824
CIE _{Lab}	14.00, 47.03, -62.77
CIE _{LCh}	14, 78.434, 306.844
Yxy	1.7298, 0.1584, 0.0657
Android (android.graphics.Color)	4279435904 (0xFF130280)
YUV	21.4470, 52.5306, -2.1460
Hunter-Lab	13.1521, 33.5741, -82.8785

Details

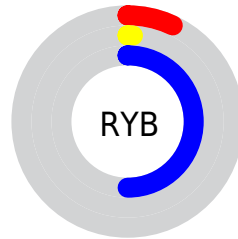
The CIELCh color **14, 78.434, 306.844** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **50, 58.420, 111.039**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **34, 78.505, 306.769**, and **5, 54.117, 304.880** is the 20% darker color. If you saturate the color by 10%, you get **14, 79.232, 306.997**, and if you desaturate by 10%, it is **16, 72.812, 305.986**.

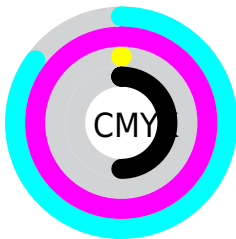
Distribution



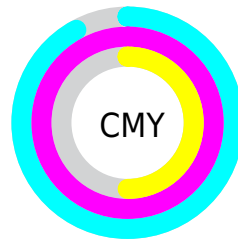
- Red (7%)
- Green (1%)
- Blue (50%)



- Red (7%)
- Yellow (1%)
- Blue (50%)



- Cyan (85%)
- Magenta (99%)
- Yellow (0%)
- Black (50%)



- Cyan (92%)
- Magenta (99%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 78.434, 306.844 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, 78.434, 306.844 by changing the saturation by 10% instead.

■ 14, 78.434,
306.844

■ 14, 78.434,
306.844

■ 100, 78.434,
306.844

■ 4, 78.434, 306.844

■ 34, 78.434,
306.844

■ 0, 78.434, 306.844

■ 44, 78.434,
306.844

■ 54, 78.434,
306.844

■ 64, 78.434,
306.844

■ 74, 78.434,
306.844


■ 84, 78.434,


306.844


 94, 78.434,
306.844


 14, 78.434,
306.844

 14, 78.434,
306.844


 14, 79.232,
306.997

 16, 72.812,
305.986

 19, 65.675,
304.878

 23, 57.276,
303.493

 27, 48.405,
302.035

 31, 39.516,
300.630

■ 36, 30.824,
299.343

■ 40, 22.415,
298.198

■ 45, 14.314,
297.195

■ 50, 6.516, 296.325

Harmonies

Complementary

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



14, 78.434, 306.844



50, 58.420, 111.039

Rectangle

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



14, 78.434, 306.844



14, 78.434, 356.844



14, 78.434, 126.844



14, 78.434, 176.844

Sweetspot

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



14, 78.435, 306.845



51, 29.172, 298.421



43, 26.187, 219.958



24, 20.195, 298.821



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



14, 78.435, 306.845



20, 96.035, 306.868



21, 71.945, 315.712



24, 4.246, 296.362



14, 79.150, 306.998



0, 0.000, 0.000

Inverse Universe

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



29, 61.989, 334.406



38, 75.091, 334.658



47, 67.149, 131.272



25, 4.633, 329.007



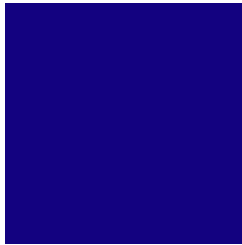
29, 62.164, 334.489



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 14, 78.434, 306.844 looks on a white background.

Color Contrast Check

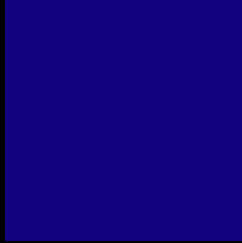
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.434, 306.844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

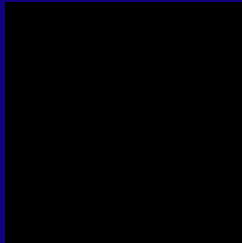
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 78.434, 306.844

Background



This preview shows how black text looks on a background with the CIELCh color 14, 78.434, 306.844.



This preview shows how white text looks on a background with the CIELCh color 14, 78.434, 306.844.

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, 78.499, 306.785

Protanopia

15, 29.953, 282.097

Deuteranopia

16, 20.819, 265.514



Tritanopia
15, 14.371, 202.208

Trichromacy



Original Color
14, 78.499, 306.785

Protanomaly
13, 50.378, 299.013

Deuteranomaly
13, 44.497, 296.736

Tritanomaly
12, 33.772, 291.255

Monochromacy



Original Color
14, 78.499, 306.785

Achromatopsia
7, 0.002, 296.812

Achromatomaly
7, 34.123, 303.199

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 78.434, 306.844 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(19, 2, 128)` looks like.

```
.text, #text, p{  
    color:rgb(19, 2, 128)  
}
```

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(19, 2, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 2, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 78.434, 306.844 is called "border". The border property can be set on classes, ids or directly on the HTML element.

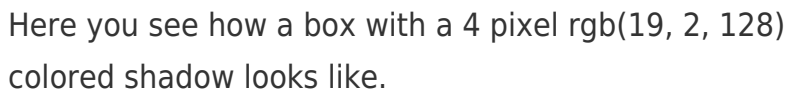
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(19, 2, 128) }
```

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

```
.border{ border-color:rgb(19, 2, 128) }
```

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

A rectangular box with a 4px 4px 4px 4px rgba(19, 2, 128) shadow. The box is white with a thin border and a shadow that is 4 pixels wide and 4 pixels high on all sides, colored in a dark purple hue (rgb(19, 2, 128)).

Here you see how a box with a 4 pixel `rgb(19, 2, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 2, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 2, 128);  
box-shadow:4px 4px 4px 4px rgb(19, 2, 128)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 78.434, 306.844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 2, 128) }
```

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

```
.background{ background-color: rgb(19, 2,  
128) }
```

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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