

Converting Colors

CIELCh(14, 78.842, 307.068)

Have a look what the booklet for
CIELCh(14, 78.842, 307.068)
contains.

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Color

CIELCh(14, 78.765, 307.038)

Conversions

Conversions Part 1

Format	Color
Hex	150180
RGB	21, 1, 128
RGB Percent	8%, 0%, 50%
CMY	0.9188, 0.9966, 0.4986
CMYK	0.84, 0.99, 0.00, 0.50
HSL	249°, 99%, 25%
HSV	249°, 99%, 50%
XYZ	4.1989, 1.7298, 20.4829
YIQ	21.4580, -28.8470, 43.7370

Conversions

Conversions Part 2

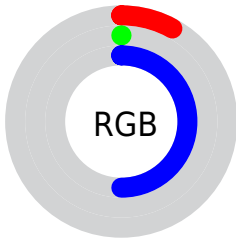
Format	Color
R_{YB}	21, 1, 128
Decimal	1376640
CIE _{Lab}	14.00, 47.44, -62.87
CIE _{LCh}	14, 78.765, 307.038
Yxy	1.7298, 0.1590, 0.0655
Android (android.graphics.Color)	4279566720 (0xFF150180)
YUV	21.4580, 52.5252, -0.4017
Hunter-Lab	13.1521, 33.9713, -83.1312

Details

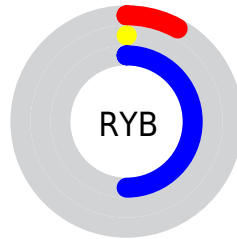
The CIELCh color **14, 78.765, 307.038** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **50, 58.815, 111.963**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **34, 78.467, 306.940**, and **5, 54.117, 304.880** is the 20% darker color. If you saturate the color by 10%, you get **14, 79.169, 307.112**, and if you desaturate by 10%, it is **16, 73.171, 306.230**.

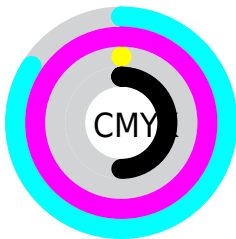
Distribution



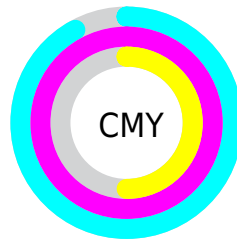
- Red (8%)
- Green (0%)
- Blue (50%)



- Red (8%)
- Yellow (0%)
- Blue (50%)



- Cyan (84%)
- Magenta (99%)
- Yellow (0%)
- Black (50%)





- Cyan (92%)
- Magenta (100%)
- Yellow (50%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 78.765, 307.038 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, 78.765, 307.038 by changing the saturation by 10% instead.

 14, 78.765,
307.038

 14, 78.765,
307.038

 100, 78.765,
307.038

 4, 78.765, 307.038


 34, 78.765,
307.038

 0, 78.765, 307.038

 44, 78.765,
307.038

 54, 78.765,
307.038

 64, 78.765,
307.038


 74, 78.765,
307.038


 84, 78.765,


307.038


 94, 78.765,
307.038


 14, 78.765,
307.038


 14, 78.765,
307.038


 14, 79.169,
307.112

 16, 73.171,
306.230

 19, 66.186,
305.219

 23, 57.879,
303.920

 27, 49.047,
302.531

 31, 40.161,
301.180

■ 36, 31.453,
299.934

■ 40, 23.016,
298.821

■ 45, 14.881,
297.842

■ 49, 7.047, 296.991

Harmonies

Complementary

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



14, 78.765, 307.038



50, 58.815, 111.963

Rectangle

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



14, 78.765, 307.038



14, 78.765, 357.038



14, 78.765, 127.038



14, 78.765, 177.038

Sweetspot

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



14, 78.766, 307.039



51, 29.196, 298.966



42, 26.107, 223.520



24, 20.210, 299.352



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, 78.766, 307.039



20, 95.878, 306.974



22, 72.051, 316.172



24, 4.251, 296.974



14, 79.011, 307.114



0, 0.000, 0.000

Inverse Universe

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



29, 61.415, 335.298



38, 74.163, 335.539



47, 67.743, 131.684



25, 4.580, 329.541



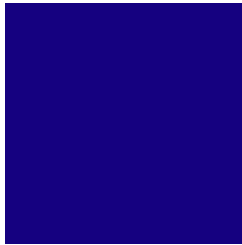
28, 61.412, 335.343



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 14, 78.765, 307.038 looks on a white background.

Color Contrast Check

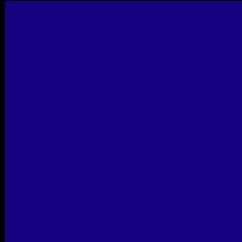
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.765, 307.038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

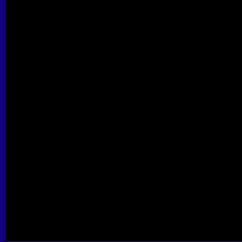
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 78.765, 307.038

Background



This preview shows how black text looks on a background with the CIELCh color 14, 78.765, 307.038.



This preview shows how white text looks on a background with the CIELCh color 14, 78.765, 307.038.

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, 78.765, 307.038

Protanopia

15, 29.953, 282.097

Deuteranopia

16, 20.819, 265.514



Tritanopia
15, 14.371, 202.208

Trichromacy



Original Color
14, 78.765, 307.038

Protanomaly
13, 51.069, 299.578

Deuteranomaly
13, 45.225, 297.448

Tritanomaly
12, 34.521, 292.381

Monochromacy



Original Color
14, 78.765, 307.038

Achromatopsia
7, 0.002, 296.812

Achromatomaly
7, 34.114, 303.670

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 78.765, 307.038 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(21, 1, 128)` looks like.

```
.text, #text, p{  
    color:rgb(21, 1, 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(21, 1, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 1, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 78.765, 307.038 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(21, 1, 128) }
```

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

```
.border{ border-color:rgb(21, 1, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 1, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 1, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 1, 128);  
box-shadow:4px 4px 4px 4px rgb(21, 1, 128)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 78.765, 307.038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 1, 128) }
```

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

```
.background{ background-color: rgb(21, 1,  
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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