

Converting Colors

CIELCh(14, 79.135, 307.314)

Have a look what the booklet for
CIELCh(14, 79.135, 307.314)
contains.

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Color

CIELCh(14, 79.019, 307.297)

Conversions

Conversions Part 1

Format	Color
Hex	170080
RGB	23, 0, 128
RGB Percent	9%, 0%, 50%
CMY	0.9110, 1.0000, 0.4987
CMYK	0.82, 1.00, 0.00, 0.50
HSL	251°, 100%, 25%
HSV	251°, 100%, 50%
XYZ	4.2302, 1.7298, 20.4759
YIQ	21.4690, -27.3800, 44.6840

Conversions

Conversions Part 2

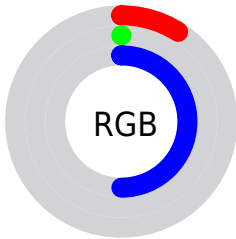
Format	Color
R_YB	23, 0, 128
Decimal	1507456
CIE Lab	14.00, 47.88, -62.86
CIE LCh	14, 79.019, 307.297
Yxy	1.7298, 0.1600, 0.0654
Android (android.graphics.Color)	4279697536 (0xFF170080)
YUV	21.4690, 52.5198, 1.3427
Hunter-Lab	13.1521, 34.3957, -83.0996

Details

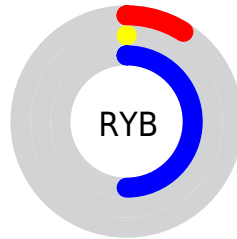
The CIELCh color **14, 79.019, 307.297** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **50, 59.232, 113.154**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **34, 78.989, 307.281**, and **5, 54.117, 304.880** is the 20% darker color. If you saturate the color by 10%, you get **14, 78.965, 307.280**, and if you desaturate by 10%, it is **16, 73.391, 306.533**.

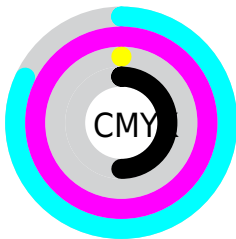
Distribution



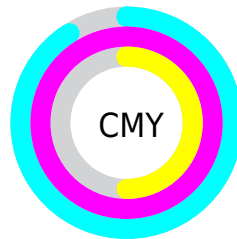
- Red (9%)
- Green (0%)
- Blue (50%)



- Red (9%)
- Yellow (0%)
- Blue (50%)



- Cyan (82%)
- Magenta (100%)
- Yellow (0%)
- Black (50%)



- Cyan (91%)
- Magenta (100%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 79.019, 307.297 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, 79.019, 307.297 by changing the saturation by 10% instead.

■ 14, 79.019,
307.297

■ 14, 79.019,
307.297

■ 100, 79.019,
307.297

■ 4, 79.019, 307.297

■ 34, 79.019,
307.297

■ 0, 79.019, 307.297

■ 44, 79.019,
307.297


■ 54, 79.019,
307.297


■ 64, 79.019,
307.297


■ 74, 79.019,
307.297


■ 84, 79.019,


307.297


 94, 79.019,
307.297

 14, 79.019,
307.297

 14, 79.019,
307.297


 14, 78.965,
307.280

 16, 73.391,
306.533

 19, 66.584,
305.640

 23, 58.399,
304.447

 27, 49.633,
303.146

 31, 40.772,
301.867

■ 36, 32.061,
300.678

■ 40, 23.607,
299.609

■ 45, 15.447,
298.665

■ 49, 7.583, 297.841

Harmonies

Complementary

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



14, 79.019, 307.297



50, 59.232, 113.154

Rectangle

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



14, 79.019, 307.297



14, 79.019, 357.297



14, 79.019, 127.297



14, 79.019, 177.297

Sweetspot

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



14, 78.965, 307.280



51, 29.231, 299.679



41, 26.093, 227.173



24, 20.232, 300.047



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, 78.965, 307.280



20, 95.654, 307.129



22, 72.081, 316.642



24, 4.258, 297.772



14, 78.814, 307.282



0, 0.000, 0.000

Inverse Universe

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



28, 60.564, 336.507



38, 72.979, 336.737



47, 68.259, 132.068



25, 4.511, 330.258



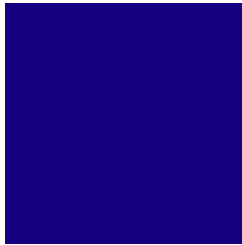
28, 60.451, 336.504



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 14, 79.019, 307.297 looks on a white background.

Color Contrast Check

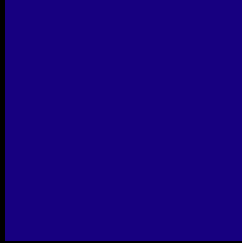
Large Text (above 18pt) WCAG AA ✓ Pass

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, 79.019, 307.297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

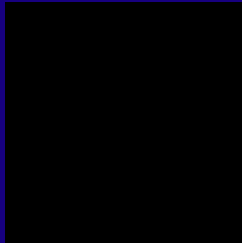
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 79.019, 307.297

Background



This preview shows how black text looks on a background with the CIELCh color 14, 79.019, 307.297.



This preview shows how white text looks on a background with the CIELCh color 14, 79.019, 307.297.

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, 79.019, 307.297

Protanopia

15, 30.593, 282.748

Deuteranopia

16, 20.819, 265.514



Tritanopia
15, 14.371, 202.208

Trichromacy



Original Color
14, 79.019, 307.297

Protanomaly
13, 51.683, 299.711

Deuteranomaly
13, 45.225, 297.448

Tritanomaly
12, 34.521, 292.381

Monochromacy



Original Color
14, 79.019, 307.297

Achromatopsia
7, 0.002, 296.812

Achromatomaly
7, 34.771, 304.637

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 79.019, 307.297 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(23, 0, 128)` looks like.

```
.text, #text, p{  
    color:rgb(23, 0, 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(23, 0, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 0, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 79.019, 307.297 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(23, 0, 128) }
```

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

```
.border{ border-color:rgb(23, 0, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 0, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 0, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 0, 128);  
box-shadow:4px 4px 4px 4px rgb(23, 0, 128)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 79.019, 307.297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 0, 128) }
```

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

```
.background{ background-color: rgb(23, 0,  
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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