

Converting Colors

CIELCh(9, 79.221, 298.295)

Have a look what the booklet for
CIELCh(9, 79.221, 298.295) contains.

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Color

CIELCh(14, 73.012, 304.102)

Conversions

Conversions Part 1

Format	Color
Hex	000D7C
RGB	0, 13, 124
RGB Percent	0%, 5%, 49%
CMY	1.0000, 0.9485, 0.5136
CMYK	1.00, 0.89, 0.00, 0.51
HSL	234°, 100%, 24%
HSV	234°, 100%, 49%
XYZ	3.7520, 1.7298, 19.2145
YIQ	21.7670, -43.3790, 31.7650

Conversions

Conversions Part 2

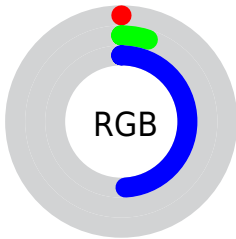
Format	Color
RYB	0, 12, 124
Decimal	3452
CIELab	14.00, 40.94, -60.46
CIELCh	14, 73.012, 304.102
Yxy	1.7298, 0.1519, 0.0700
Android (android.graphics.Color)	4278193532 (0xFF000D7C)
YUV	21.7670, 50.4009, -19.0897
Hunter-Lab	13.1521, 27.9053, -77.4129

Details

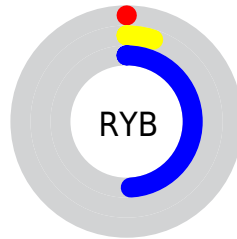
The CIELCh color **14, 73.012, 304.102** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **46, 52.889, 95.824**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **34, 73.059, 304.267**, and **4, 51.999, 304.382** is the 20% darker color. If you saturate the color by 10%, you get **14, 72.917, 304.227**, and if you desaturate by 10%, it is **16, 66.638, 302.367**.

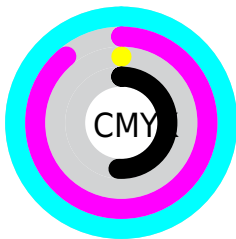
Distribution



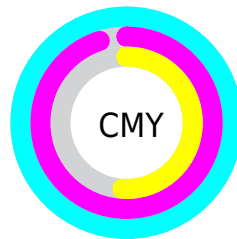
- Red (0%)
- Green (5%)
- Blue (49%)



- Red (0%)
- Yellow (5%)
- Blue (49%)



- Cyan (100%)
- Magenta (89%)
- Yellow (0%)
- Black (51%)



- Cyan (100%)
- Magenta (95%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 73.012, 304.102 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, 73.012, 304.102 by changing the saturation by 10% instead.

■ 14, 73.012,
304.102

■ 14, 73.012,
304.102

■ 100, 73.012,
304.102

■ 4, 73.012, 304.102

■ 34, 73.012,
304.102

■ 0, 73.012, 304.102

■ 44, 73.012,
304.102


■ 54, 73.012,
304.102


■ 64, 73.012,
304.102


■ 74, 73.012,
304.102


■ 84, 73.012,


304.102


 94, 73.012,
304.102


 14, 73.012,
304.102

 14, 73.012,
304.102


 14, 72.917,
304.227

 16, 66.638,
302.367

 20, 59.130,
299.987

 23, 51.108,
297.490

 27, 43.064,
295.086

 31, 35.221,
292.893

■ 35, 27.651,
290.957

■ 39, 20.361,
289.277

■ 44, 13.337,
287.833

■ 48, 6.558, 286.599

Harmonies

Complementary

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



14, 73.012, 304.102



46, 52.889, 95.824

Rectangle

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



14, 73.012, 304.102



14, 73.012, 354.102



14, 73.012, 124.102



14, 73.012, 174.102

Sweetspot

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



14, 72.917, 304.227



51, 25.193, 289.388



46, 32.753, 180.662



24, 17.432, 289.951



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



14, 72.917, 304.227



20, 89.383, 304.668



16, 74.672, 309.937



24, 3.648, 286.492



14, 73.344, 304.241



34, 127.476, 305.152

Inverse Universe

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



25, 56.756, 33.679



33, 69.548, 35.036



47, 61.297, 123.108



24, 2.875, 11.326



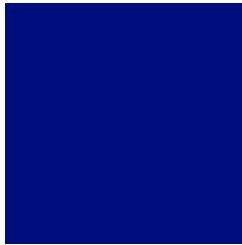
25, 57.095, 33.737



53, 99.077, 36.411

Previews

White Background



This preview shows how the CIE LCh color 14, 73.012, 304.102 looks on a white background.

Color Contrast Check

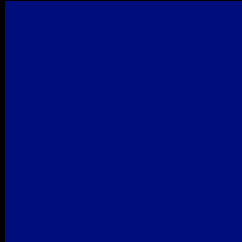
Large Text (above 18pt) WCAG AA ✓ Pass

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, 73.012, 304.102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

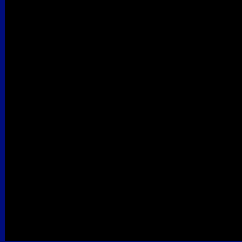
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 73.012, 304.102

Background



This preview shows how black text looks on a background with the CIELCh color 14, 73.012, 304.102.



This preview shows how white text looks on a background with the CIELCh color 14, 73.012, 304.102.

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, 72.958, 304.247

Protanopia

15, 29.368, 281.965

Deuteranopia

15, 20.237, 264.773



Tritanopia
15, 14.168, 202.312

Trichromacy



Original Color
14, 72.958, 304.247

Protanomaly
14, 47.076, 296.292

Deuteranomaly
13, 40.422, 292.905

Tritanomaly
13, 30.344, 285.355

Monochromacy



Original Color
14, 72.958, 304.247

Achromatopsia
7, 0.002, 296.812

Achromatomaly
8, 29.829, 296.925

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 73.012, 304.102 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, 13, 124)` looks like.

```
.text, #text, p{  
    color:rgb(0, 13, 124)  
}
```

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, 13, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 13, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 73.012, 304.102 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, 13, 124) }
```

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

```
.border{ border-color:rgb(0, 13, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 13, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 13, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 13, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 13, 124)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 73.012, 304.102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 13, 124) }
```

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

```
.background{ background-color: rgb(0, 13,  
124) }
```

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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