

Converting Colors

CIELCh(14, 78.265, 305.616)

Have a look what the booklet for
CIELCh(14, 78.265, 305.616)
contains.

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Color

CIELCh(14, 78.099, 305.584)

Conversions

Conversions Part 1

Format	Color
Hex	040681
RGB	4, 6, 129
RGB Percent	2%, 2%, 51%
CMY	0.9863, 0.9771, 0.4948
CMYK	0.97, 0.95, 0.00, 0.49
HSL	239°, 95%, 26%
HSV	239°, 97%, 51%
XYZ	4.0581, 1.7298, 20.8291
YIQ	19.4240, -40.6750, 37.8290

Conversions

Conversions Part 2

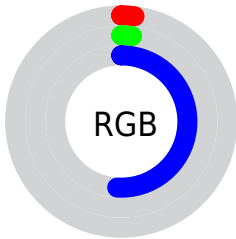
Format	Color
RYB	4, 6, 129
Decimal	263809
CIELab	14.00, 45.45, -63.52
CIELCh	14, 78.099, 305.584
Yxy	1.7298, 0.1525, 0.0650
Android (android.graphics.Color)	4278453889 (0xFF040681)
YUV	19.4240, 54.0210, -13.5268
Hunter-Lab	13.1521, 32.0604, -84.6917

Details

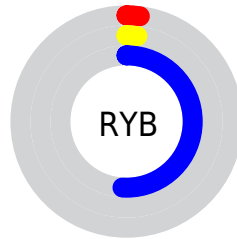
The CIELCh color **14, 78.099, 305.584** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **52, 56.980, 101.806**, and the grayscale version is **6, 0.002, 296.812**.

A 20% lighter version of the original color is **34, 78.080, 305.550**, and **5, 54.803, 305.025** is the 20% darker color. If you saturate the color by 10%, you get **13, 79.638, 305.942**, and if you desaturate by 10%, it is **16, 72.287, 304.173**.

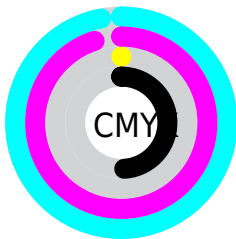
Distribution



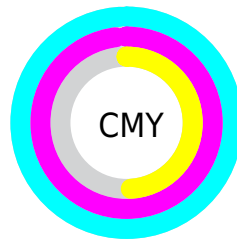
- Red (2%)
- Green (2%)
- Blue (51%)



- Red (2%)
- Yellow (2%)
- Blue (51%)



- Cyan (97%)
- Magenta (95%)
- Yellow (0%)
- Black (49%)



- Cyan (99%)
- Magenta (98%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 78.099, 305.584 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, 78.099, 305.584 by changing the saturation by 10% instead.

■ 14, 78.099,
305.584

■ 14, 78.099,
305.584

■ 100, 78.099,
305.584

■ 4, 78.099, 305.584

■ 34, 78.099,
305.584

■ 0, 78.099, 305.584

■ 44, 78.099,
305.584

■ 54, 78.099,
305.584

■ 64, 78.099,
305.584


■ 74, 78.099,
305.584


■ 84, 78.099,


305.584

 94, 78.099,
305.584


 14, 78.099,
305.584

 14, 78.099,
305.584


 13, 79.638,
305.942

 16, 72.287,
304.173

 19, 64.529,
302.238

 23, 55.731,
300.063

 27, 46.688,
297.900

 32, 37.794,
295.901

■ 37, 29.199,
294.128

■ 41, 20.938,
292.591

■ 46, 13.005,
291.274

■ 51, 5.379, 290.154

Harmonies

Complementary

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



14, 78.099, 305.584



52, 56.980, 101.806

Rectangle

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



14, 78.099, 305.584



14, 78.099, 355.584



14, 78.099, 125.584



14, 78.099, 175.584

Sweetspot

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



14, 78.101, 305.585



52, 27.825, 292.939



48, 30.765, 191.661



24, 19.143, 293.483



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, 78.101, 305.585



20, 97.133, 306.036



19, 74.181, 311.523



24, 4.142, 290.342



13, 79.033, 305.938



0, 0.000, 0.000

Inverse Universe

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



26, 59.890, 37.158



35, 75.676, 39.107



48, 63.848, 126.227



25, 2.950, 18.362



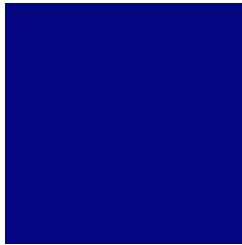
25, 60.548, 37.613



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 14, 78.099, 305.584 looks on a white background.

Color Contrast Check

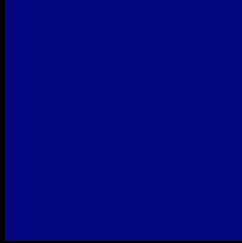
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 14, 78.099, 305.584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

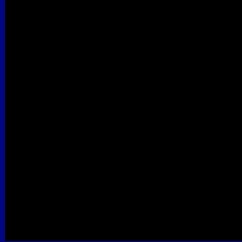
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 78.099, 305.584

Background



This preview shows how black text looks on a background with the CIELCh color 14, 78.099, 305.584.



This preview shows how white text looks on a background with the CIELCh color 14, 78.099, 305.584.

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, 78.099, 305.584

Protanopia

15, 29.314, 281.417

Deuteranopia

15, 20.788, 266.209

Trichromacy



Original Color
14, 78.099, 305.584

Protanomaly
13, 49.788, 297.863

Deuteranomaly
13, 43.221, 295.011

Monochromacy



Original Color
14, 78.099, 305.584

Achromatopsia
6, 0.002, 296.812

Achromatomaly
6, 33.414, 299.991

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 78.099, 305.584 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(4, 6, 129)` looks like.

```
.text, #text, p{  
    color:rgb(4, 6, 129)  
}
```

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(4, 6, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 6, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 78.099, 305.584 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(4, 6, 129) }
```

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

```
.border{ border-color:rgb(4, 6, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 6, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 6, 129); -webkit-box-shadow:4px  
4px 4px 4px rgb(4, 6, 129); box-shadow:4px  
4px 4px 4px rgb(4, 6, 129) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 78.099, 305.584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 6, 129) }
```

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

```
.background{ background-color: rgb(4, 6,  
129) }
```

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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