

Converting Colors

CIELCh(14, 64.226, 302.129)

Have a look what the booklet for
CIELCh(14, 64.226, 302.129)
contains.

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Color

CIELCh(14, 64.461, 302.179)

Conversions

Conversions Part 1

Format	Color
Hex	001473
RGB	0, 20, 115
RGB Percent	0%, 8%, 45%
CMY	1.0000, 0.9220, 0.5495
CMYK	1.00, 0.83, 0.00, 0.55
HSL	230°, 100%, 23%
HSV	230°, 100%, 45%
XYZ	3.3319, 1.7298, 16.3404
YIQ	24.8500, -42.4150, 25.3050

Conversions

Conversions Part 2

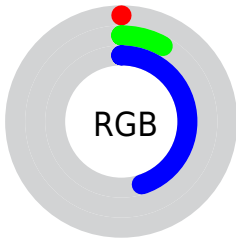
Format	Color
RYB	0, 17, 115
Decimal	5235
CIELab	14.00, 34.33, -54.56
CIELCh	14, 64.461, 302.179
Yxy	1.7298, 0.1557, 0.0808
Android (android.graphics.Color)	4278195315 (0xFF001473)
YUV	24.8500, 44.4440, -21.7934
Hunter-Lab	13.1521, 22.2049, -64.4567

Details

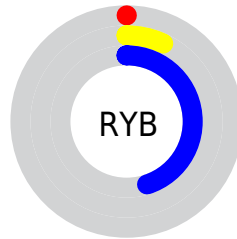
The CIELCh color **14, 64.461, 302.179** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **41, 48.225, 90.758**, and the grayscale version is **8, 0.002, 296.813**.

A 20% lighter version of the original color is **34, 64.379, 302.183**, and **3, 45.137, 302.173** is the 20% darker color. If you saturate the color by 10%, you get **14, 64.453, 302.199**, and if you desaturate by 10%, it is **17, 58.044, 299.862**.

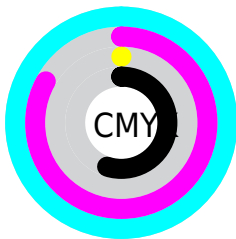
Distribution



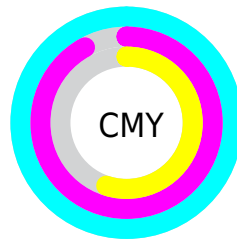
- Red (0%)
- Green (8%)
- Blue (45%)



- Red (0%)
- Yellow (7%)
- Blue (45%)



- Cyan (100%)
- Magenta (83%)
- Yellow (0%)
- Black (55%)



- Cyan (100%)
- Magenta (92%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 64.461, 302.179 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, 64.461, 302.179 by changing the saturation by 10% instead.

■ 14, 64.461,
302.179

■ 14, 64.461,
302.179

■ 100, 64.461,
302.179

■ 4, 64.461, 302.179

■ 34, 64.461,
302.179

■ 0, 64.461, 302.179

■ 44, 64.461,
302.179

■ 54, 64.461,
302.179


■ 64, 64.461,
302.179


■ 74, 64.461,
302.179

■ 84, 64.461,

302.179


 94, 64.461,
302.179

 14, 64.461,
302.179


 14, 64.461,
302.179


 14, 64.453,
302.199

 17, 58.044,
299.862

 19, 51.118,
297.136

 23, 44.070,
294.426

 26, 37.142,
291.890

 30, 30.425,
289.609

■ 34, 23.937,
287.606

■ 37, 17.667,
285.870

■ 41, 11.600,
284.375

■ 45, 5.717, 283.094

Harmonies

Complementary

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



14, 64.461, 302.179



41, 48.225, 90.758

Rectangle

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



14, 64.461, 302.179



14, 64.461, 352.179



14, 64.461, 122.179



14, 64.461, 172.179

Sweetspot

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



14, 64.453, 302.199



48, 22.065, 285.998



43, 33.469, 173.370



23, 15.252, 286.557



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



14, 64.453, 302.199



20, 80.100, 302.872



13, 71.507, 308.956



23, 3.269, 282.984



15, 67.844, 302.377



35, 120.187, 303.684

Inverse Universe

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



23, 51.344, 28.904



31, 63.259, 30.463



44, 56.801, 120.054



23, 2.821, 6.024



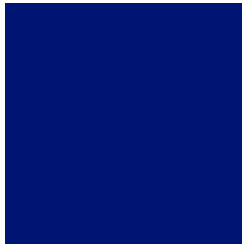
24, 53.915, 29.309



52, 94.120, 32.444

Previews

White Background



This preview shows how the CIELCh color 14, 64.461, 302.179 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, 64.461, 302.179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

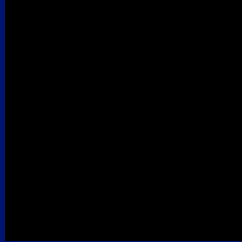
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 64.461, 302.179

Background



This preview shows how black text looks on a background with the CIELCh color 14, 64.461, 302.179.



This preview shows how white text looks on a background with the CIELCh color 14, 64.461, 302.179.

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, 64.461, 302.179

Protanopia

15, 28.727, 281.266

Deuteranopia

15, 20.202, 265.486



Tritanopia
15, 13.965, 202.420

Trichromacy



Original Color
14, 64.461, 302.179

Protanomaly
14, 42.259, 293.420

Deuteranomaly
14, 36.283, 289.853

Tritanomaly
13, 26.303, 279.962

Monochromacy



Original Color
14, 64.461, 302.179

Achromatopsia
9, 0.002, 296.813

Achromatomaly
9, 25.882, 293.553

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 64.461, 302.179 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, 20, 115)` looks like.

```
.text, #text, p{  
    color:rgb(0, 20, 115)  
}
```

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, 20, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 20, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 64.461, 302.179 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, 20, 115) }
```

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

```
.border{ border-color:rgb(0, 20, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 20, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 20, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 20, 115);  
box-shadow:4px 4px 4px 4px rgb(0, 20, 115)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 64.461, 302.179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 20, 115) }
```

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

```
.background{ background-color: rgb(0, 20,  
115) }
```

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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