

Converting Colors

CIELCh(14, 72.322, 309.250)

Have a look what the booklet for
CIELCh(14, 72.322, 309.250)
contains.

CIELCh(14, 72.132, 309.316)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(14, 72.132, 309.316)

Conversions

Conversions Part 1

Format	Color
Hex	280075
RGB	40, 0, 117
RGB Percent	16%, 0%, 46%
CMY	0.8435, 1.0000, 0.5415
CMYK	0.66, 1.00, 0.00, 0.54
HSL	260°, 100%, 23%
HSV	260°, 100%, 46%
XYZ	4.0760, 1.7298, 16.9223
YIQ	25.2980, -13.7170, 44.8670

Conversions

Conversions Part 2

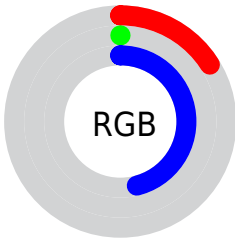
Format	Color
RYB	40, 0, 117
Decimal	2621557
CIELab	14.00, 45.70, -55.81
CIELCh	14, 72.132, 309.316
Yxy	1.7298, 0.1793, 0.0761
Android (android.graphics.Color)	4280811637 (0xFF280075)
YUV	25.2980, 45.2091, 12.8937
Hunter-Lab	13.1521, 32.3039, -67.0797

Details

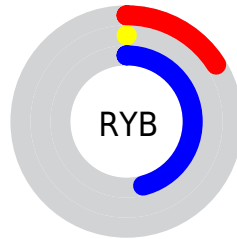
The CIELCh color **14, 72.132, 309.316** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **45, 57.953, 121.197**, and the grayscale version is **9, 0.002, 296.813**.

A 20% lighter version of the original color is **34, 71.765, 309.297**, and **4, 46.726, 302.775** is the 20% darker color. If you saturate the color by 10%, you get **14, 72.102, 309.307**, and if you desaturate by 10%, it is **16, 66.931, 309.042**.

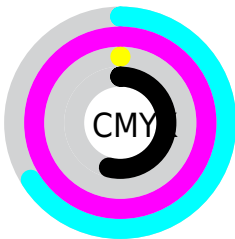
Distribution



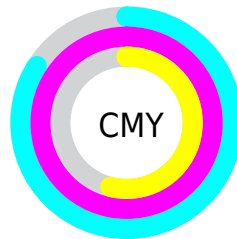
- Red (16%)
- Green (0%)
- Blue (46%)



- Red (16%)
- Yellow (0%)
- Blue (46%)



- Cyan (66%)
- Magenta (100%)
- Yellow (0%)
- Black (54%)





- Cyan (84%)
- Magenta (100%)
- Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 72.132, 309.316 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, 72.132, 309.316 by changing the saturation by 10% instead.

 14, 72.132,
309.316

 14, 72.132,
309.316


 100, 72.132,
309.316

 4, 72.132, 309.316


 34, 72.132,
309.316

 0, 72.132, 309.316

 44, 72.132,
309.316


 54, 72.132,
309.316


 64, 72.132,
309.316


 74, 72.132,
309.316


 84, 72.132,


309.316


 94, 72.132,
309.316


 14, 72.132,
309.316


 14, 72.132,
309.316


 14, 72.102,
309.307

 16, 66.931,
309.042

 19, 61.002,
308.723

 22, 53.859,
308.130

 26, 46.084,
307.395

 29, 38.081,
306.614

■ 33, 30.090,
305.846

■ 37, 22.240,
305.123

■ 41, 14.595,
304.461

■ 45, 7.182, 303.864

Harmonies

Complementary

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



14, 72.132, 309.316



45, 57.953, 121.197

Rectangle

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



14, 72.132, 309.316



14, 72.132, 359.316



14, 72.132, 129.316



14, 72.132, 179.316

Sweetspot

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



14, 72.102, 309.307



48, 27.755, 305.177



31, 28.461, 259.793



22, 18.916, 305.410



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, 72.102, 309.307



20, 87.878, 309.047



23, 65.839, 322.128



22, 4.047, 303.810



15, 74.553, 309.258



36, 127.233, 308.722

Inverse Universe

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



25, 51.008, 346.989



33, 61.666, 347.651



43, 66.110, 134.659



23, 3.743, 336.574



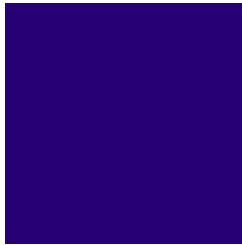
26, 52.661, 347.111



55, 88.353, 348.547

Previews

White Background



This preview shows how the CIELCh color 14, 72.132, 309.316 looks on a white background.

Color Contrast Check

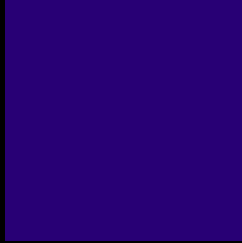
Large Text (above 18pt) WCAG AA ✓ Pass

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, 72.132, 309.316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

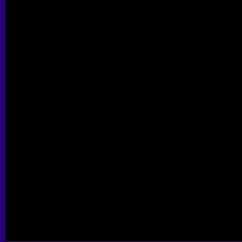
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 72.132, 309.316

Background



This preview shows how black text looks on a background with the CIELCh color 14, 72.132, 309.316.



This preview shows how white text looks on a background with the CIELCh color 14, 72.132, 309.316.

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, 72.132, 309.316

Protanopia

15, 29.953, 282.097

Deuteranopia

16, 20.819, 265.514



Tritanopia
16, 14.262, 205.201

Trichromacy



Original Color
14, 72.132, 309.316

Protanomaly
13, 48.419, 299.920

Deuteranomaly
13, 42.505, 297.822

Tritanomaly
12, 31.677, 292.892

Monochromacy



Original Color
14, 72.132, 309.316

Achromatopsia
9, 0.002, 296.813

Achromatomaly
9, 31.161, 307.588

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 72.132, 309.316 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(40, 0, 117)` looks like.

```
.text, #text, p{  
    color:rgb(40, 0, 117)  
}
```

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(40, 0, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 0, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 72.132, 309.316 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(40, 0, 117) }
```

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

```
.border{ border-color:rgb(40, 0, 117) }
```

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

Here you see how a box with a 4 pixel rgb(40, 0, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 0, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 0, 117);  
box-shadow:4px 4px 4px 4px rgb(40, 0, 117)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 72.132, 309.316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 0, 117) }
```

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

```
.background{ background-color: rgb(40, 0,  
117) }
```

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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