

Converting Colors

CIELCh(3, 87.103, 329.707)

Have a look what the booklet for
CIELCh(3, 87.103, 329.707) contains.

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Color

CIELCh(14, 46.972, 326.293)

Conversions

Conversions Part 1

Format	Color
Hex	450049
RGB	69, 0, 73
RGB Percent	27%, 0%, 29%
CMY	0.7303, 1.0000, 0.7146
CMYK	0.06, 1.00, 0.00, 0.71
HSL	297°, 100%, 14%
HSV	297°, 100%, 29%
XYZ	3.6303, 1.7298, 6.4071
YIQ	28.9530, 17.6910, 37.3310

Conversions

Conversions Part 2

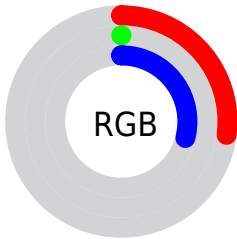
Format	Color
R_{YB}	69, 0, 73
Decimal	4522057
CIE _{Lab}	14.00, 39.08, -26.07
CIE _{LCh}	14, 46.972, 326.293
Yxy	1.7298, 0.3085, 0.1470
Android (android.graphics.Color)	4282712137 (0xFF450049)
YUV	28.9530, 21.7152, 35.1212
Hunter-Lab	13.1521, 26.2544, -19.6768

Details

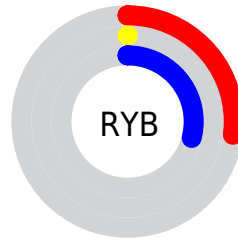
The CIELCh color **14, 46.972, 326.293** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **26, 47.910, 135.499**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 46.915, 326.286**, and **2, 16.896, 306.690** is the 20% darker color. If you saturate the color by 10%, you get **14, 46.876, 326.282**, and if you desaturate by 10%, it is **15, 43.923, 326.145**.

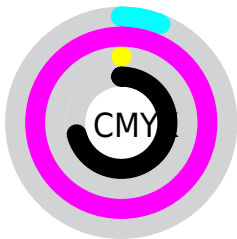
Distribution



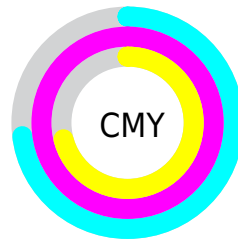
- Red (27%)
- Green (0%)
- Blue (29%)



- Red (27%)
- Yellow (0%)
- Blue (29%)



- Cyan (6%)
- Magenta (100%)
- Yellow (0%)
- Black (71%)




- Cyan (73%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 46.972, 326.293 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, 46.972, 326.293 by changing the saturation by 10% instead.

 14, 46.972,
326.293

 14, 46.972,
326.293

 100, 46.972,
326.293

 4, 46.972, 326.293

 34, 46.972,
326.293

 0, 46.972, 326.293

 44, 46.972,
326.293

 54, 46.972,
326.293

 64, 46.972,
326.293


 74, 46.972,
326.293


 84, 46.972,


326.293


 94, 46.972,
326.293


 14, 46.972,
326.293


 14, 46.972,
326.293


 14, 46.876,
326.282

 15, 43.923,
326.145

 16, 40.982,
326.017

 17, 37.248,
325.805

 19, 32.797,
325.513

 20, 27.810,
325.157

■ 22, 22.463,
324.753

■ 24, 16.906,
324.318

■ 26, 11.256,
323.863

■ 29, 5.602, 323.395

Harmonies

Complementary

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



14, 46.972, 326.293



26, 47.910, 135.499

Rectangle

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



14, 46.972, 326.293



14, 46.972, 16.293



14, 46.972, 146.293



14, 46.972, 196.293

Sweetspot

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



14, 46.876, 326.282



32, 20.963, 324.369



5, 48.469, 302.825



14, 14.416, 324.464



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



14, 46.876, 326.282



20, 55.993, 326.208



13, 35.502, 352.116



13, 3.069, 323.326



21, 58.092, 326.195



52, 106.144, 326.045

Inverse Universe

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



12, 36.889, 28.008



18, 46.157, 32.677



26, 36.440, 148.590



13, 1.803, 15.307



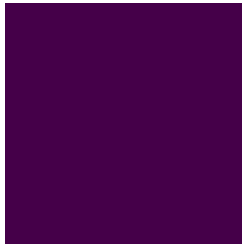
19, 48.287, 33.428



47, 93.571, 38.280

Previews

White Background



This preview shows how the CIE LCh color 14, 46.972, 326.293 looks on a white background.

Color Contrast Check

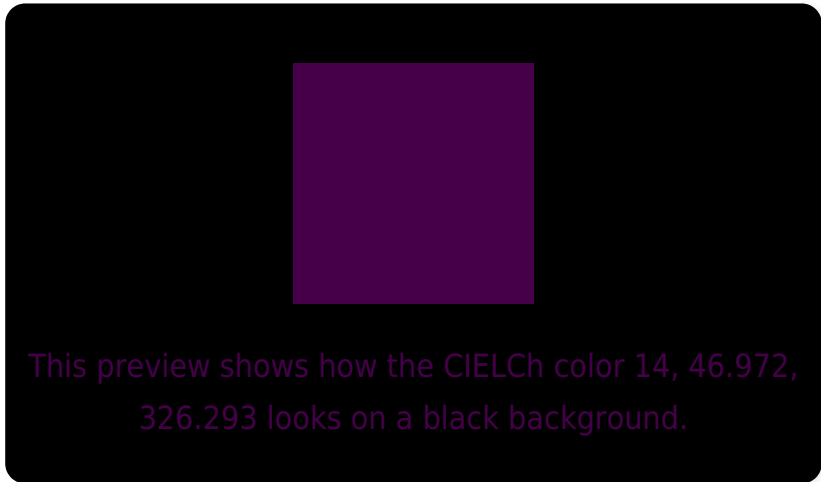
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

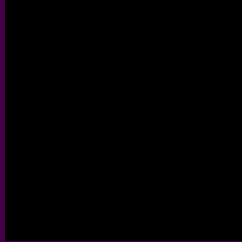
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 46.972, 326.293

Background



This preview shows how black text looks on a background with the CIELCh color 14, 46.972, 326.293.



This preview shows how white text looks on a background with the CIELCh color 14, 46.972, 326.293.

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, 46.972, 326.293

Protanopia

16, 30.535, 282.222

Deuteranopia

16, 20.263, 276.478



Tritanopia
16, 18.509, 22.634

Trichromacy



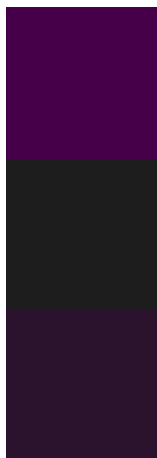
Original Color
14, 46.972, 326.293

Protanomaly
12, 38.433, 300.036

Deuteranomaly
13, 32.294, 305.368

Tritanomaly
14, 27.292, 346.111

Monochromacy



Original Color
14, 46.972, 326.293

Achromatopsia
11, 0.003, 296.813

Achromatomaly
10, 22.062, 324.751

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 46.972, 326.293 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(69, 0, 73)` looks like.

```
.text, #text, p{  
    color:rgb(69, 0, 73)  
}
```

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(69, 0, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 0, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 46.972, 326.293 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(69, 0, 73) }
```

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

```
.border{ border-color:rgb(69, 0, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 0, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 0, 73); -webkit-box-shadow:4px  
4px 4px 4px rgb(69, 0, 73); box-shadow:4px  
4px 4px 4px rgb(69, 0, 73) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 46.972, 326.293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 0, 73) }
```

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

```
.background{ background-color: rgb(69, 0,  
73) }
```

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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