

Converting Colors

CIELCh(14, 45.033, 326.570)

Have a look what the booklet for
CIELCh(14, 45.033, 326.570)
contains.

CIELCh(14, 45.222, 326.649)	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, 45.222, 326.649)

Conversions

Conversions Part 1

Format	Color
Hex	440247
RGB	68, 2, 71
RGB Percent	27%, 1%, 28%
CMY	0.7332, 0.9920, 0.7214
CMYK	0.04, 0.97, 0.00, 0.72
HSL	297°, 94%, 14%
HSV	297°, 97%, 28%
XYZ	3.5468, 1.7298, 6.1138
YIQ	29.6000, 17.1870, 35.4510

Conversions

Conversions Part 2

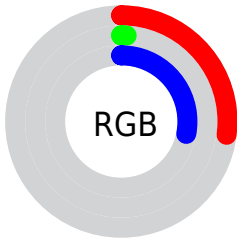
Format	Color
R_{YB}	68, 2, 71
Decimal	4457031
CIE _{Lab}	14.00, 37.77, -24.86
CIE _{LCh}	14, 45.222, 326.649
Yxy	1.7298, 0.3114, 0.1519
Android (android.graphics.Color)	4282647111 (0xFF440247)
YUV	29.6000, 20.4102, 33.6768
Hunter-Lab	13.1521, 25.1215, -18.3548

Details

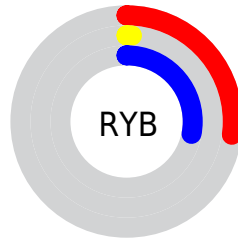
The CIELCh color **14, 45.222, 326.649** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **25, 46.249, 135.934**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 45.262, 326.648**, and **2, 15.128, 305.600** is the 20% darker color. If you saturate the color by 10%, you get **14, 46.090, 326.698**, and if you desaturate by 10%, it is **15, 42.349, 326.500**.

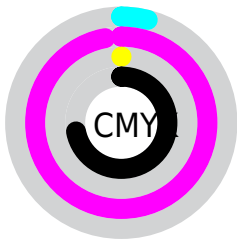
Distribution



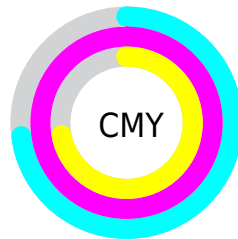
- Red (27%)
- Green (1%)
- Blue (28%)



- Red (27%)
- Yellow (1%)
- Blue (28%)



- Cyan (4%)
- Magenta (97%)
- Yellow (0%)
- Black (72%)





- Cyan (73%)
- Magenta (99%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 45.222, 326.649 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, 45.222, 326.649 by changing the saturation by 10% instead.

 14, 45.222,
326.649

 14, 45.222,
326.649

 100, 45.222,
326.649

 4, 45.222, 326.649

 34, 45.222,
326.649

 0, 45.222, 326.649

 44, 45.222,
326.649

 54, 45.222,
326.649


 64, 45.222,
326.649


 74, 45.222,
326.649

 84, 45.222,


326.649


 94, 45.222,
326.649

 14, 45.222,
326.649


 14, 45.222,
326.649


 14, 46.090,
326.698

 15, 42.349,
326.500

 16, 39.275,
326.334

 17, 35.393,
326.084

 19, 30.859,
325.763

 20, 25.848,
325.385

■ 22, 20.527,
324.966

■ 24, 15.032,
324.519

■ 26, 9.470, 324.056

■ 29, 3.921, 323.576

Harmonies

Complementary

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



14, 45.222, 326.649



25, 46.249, 135.934

Rectangle

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



14, 45.222, 326.649



14, 45.222, 16.649



14, 45.222, 146.649



14, 45.222, 196.649

Sweetspot

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



14, 45.221, 326.649



31, 19.875, 324.655



5, 46.872, 302.718



14, 13.434, 324.744



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



14, 45.221, 326.649



19, 54.897, 326.639



13, 34.038, 352.787



13, 3.080, 323.649



21, 58.051, 326.622



52, 106.059, 326.503

Inverse Universe

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



12, 35.390, 28.059



17, 45.284, 32.734



26, 34.455, 149.815



13, 1.801, 16.253



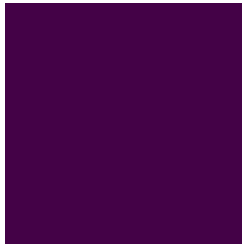
19, 48.517, 33.901



47, 94.023, 38.648

Previews

White Background



This preview shows how the CIE LCh color 14, 45.222, 326.649 looks on a white background.

Color Contrast Check

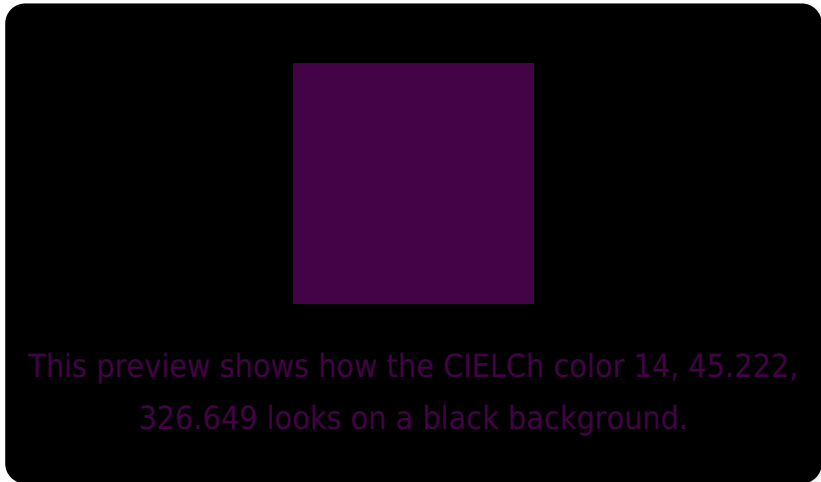
Large Text (above 18pt) WCAG AA ✓ Pass

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

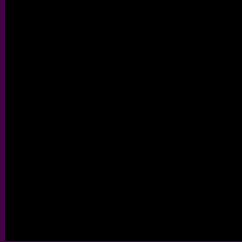
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 45.222, 326.649

Background



This preview shows how black text looks on a background with the CIELCh color 14, 45.222, 326.649.



This preview shows how white text looks on a background with the CIELCh color 14, 45.222, 326.649.

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, 45.222, 326.649

Protanopia

15, 30.593, 282.748

Deuteranopia

16, 19.568, 276.143



Tritanopia
15, 18.449, 20.664

Trichromacy



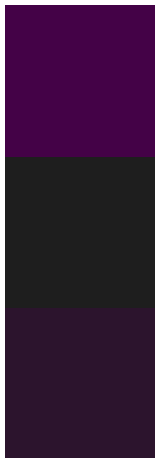
Original Color
14, 45.222, 326.649

Protanomaly
12, 37.115, 299.818

Deuteranomaly
13, 30.208, 304.978

Tritanomaly
14, 26.150, 346.909

Monochromacy



Original Color
14, 45.222, 326.649

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 20.686, 325.630

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 45.222, 326.649 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(68, 2, 71)` looks like.

```
.text, #text, p{  
    color:rgb(68, 2, 71)  
}
```

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(68, 2, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 2, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 45.222, 326.649 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(68, 2, 71) }
```

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

```
.border{ border-color:rgb(68, 2, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 2, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 2, 71); -webkit-box-shadow:4px  
4px 4px 4px rgb(68, 2, 71); box-shadow:4px  
4px 4px 4px rgb(68, 2, 71) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 45.222, 326.649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 2, 71) }
```

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

```
.background{ background-color: rgb(68, 2,  
71) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor