

Converting Colors

CIELCh(0, 101.489, 326.862)

Have a look what the booklet for
CIELCh(0, 101.489, 326.862)
contains.

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Color

CIELCh(14, 51.667, 320.646)

Conversions

Conversions Part 1

Format	Color
Hex	400052
RGB	64, 0, 82
RGB Percent	25%, 0%, 32%
CMY	0.7473, 0.9984, 0.6768
CMYK	0.22, 0.99, 0.00, 0.68
HSL	287°, 99%, 16%
HSV	287°, 99%, 32%
XYZ	3.6873, 1.7298, 8.2080
YIQ	28.4840, 11.8220, 39.0700

Conversions

Conversions Part 2

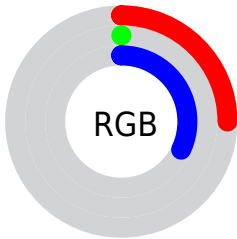
Format	Color
R_{YB}	64, 0, 82
Decimal	4194386
CIE _{Lab}	14.00, 39.95, -32.76
CIE _{LCh}	14, 51.667, 320.646
Yxy	1.7298, 0.2706, 0.1270
Android (android.graphics.Color)	4282384466 (0xFF400052)
YUV	28.4840, 26.3834, 31.1475
Hunter-Lab	13.1521, 27.0272, -27.7952

Details

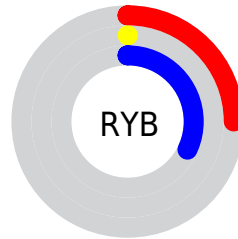
The CIELCh color **14, 51.667, 320.646** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **30, 50.810, 133.505**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 51.332, 320.573**, and **2, 21.900, 296.922** is the 20% darker color. If you saturate the color by 10%, you get **14, 51.851, 320.647**, and if you desaturate by 10%, it is **15, 48.280, 320.692**.

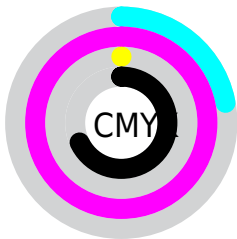
Distribution



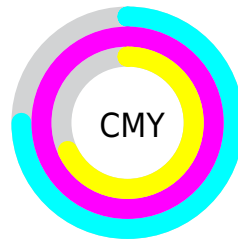
- Red (25%)
- Green (0%)
- Blue (32%)



- Red (25%)
- Yellow (0%)
- Blue (32%)



- Cyan (22%)
- Magenta (99%)
- Yellow (0%)
- Black (68%)





- Cyan (75%)
- Magenta (100%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 51.667, 320.646 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, 51.667, 320.646 by changing the saturation by 10% instead.

 14, 51.667,
320.646

 14, 51.667,
320.646

 100, 51.667,
320.646

 4, 51.667, 320.646

 34, 51.667,
320.646

 0, 51.667, 320.646

 44, 51.667,
320.646

 54, 51.667,
320.646


 64, 51.667,
320.646


 74, 51.667,
320.646


 84, 51.667,


320.646


 94, 51.667,
320.646

 14, 51.667,
320.646


 14, 51.667,
320.646


 14, 51.851,
320.647

 15, 48.280,
320.692

 17, 44.783,
320.759

 18, 40.360,
320.669

 20, 35.226,
320.456

 23, 29.612,
320.155

■ 25, 23.714,
319.797

■ 27, 17.682,
319.407

■ 30, 11.626,
319.000

■ 33, 5.618, 318.587

Harmonies

Complementary

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



14, 51.667, 320.646



30, 50.810, 133.505

Rectangle

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



14, 51.667, 320.646



14, 51.667, 10.646



14, 51.667, 140.646



14, 51.667, 190.646

Sweetspot

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



14, 51.666, 320.646



36, 22.343, 319.469



10, 45.386, 298.484



16, 15.074, 319.561



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



14, 51.666, 320.646



20, 62.278, 320.403



16, 42.044, 340.986



15, 3.279, 318.554



19, 61.222, 320.424



47, 110.034, 319.923

Inverse Universe

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



15, 38.667, 22.220



21, 47.370, 24.858



30, 45.657, 142.017



15, 2.106, 2.453



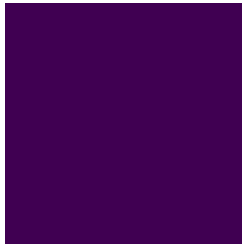
20, 46.514, 24.680



49, 86.090, 28.853

Previews

White Background



This preview shows how the CIE LCh color 14, 51.667, 320.646 looks on a white background.

Color Contrast Check

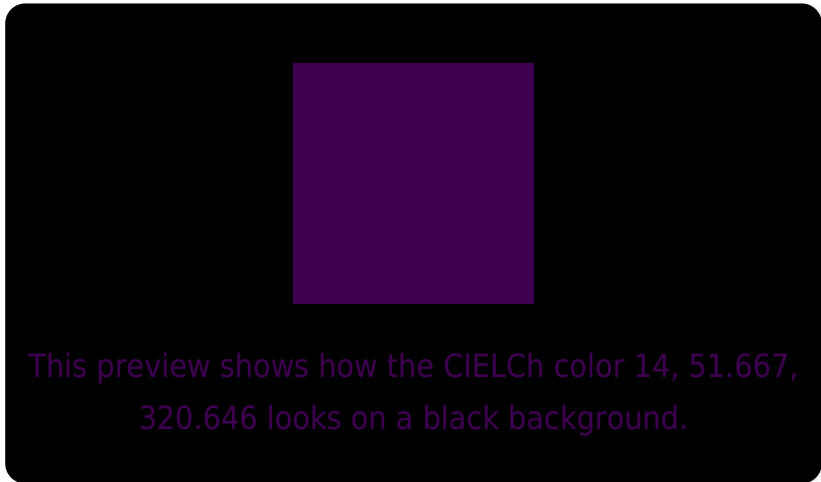
Large Text (above 18pt) WCAG AA ✓ Pass

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

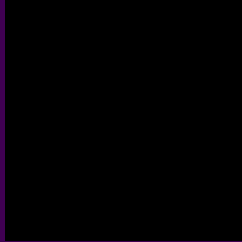
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 51.667, 320.646

Background



This preview shows how black text looks on a background with the CIELCh color 14, 51.667, 320.646.



This preview shows how white text looks on a background with the CIELCh color 14, 51.667, 320.646.

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, 51.667, 320.646

Protanopia

15, 30.593, 282.748

Deuteranopia

16, 22.510, 269.434



Tritanopia
16, 12.951, 13.861

Trichromacy



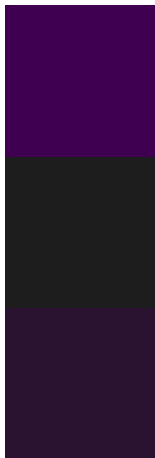
Original Color
14, 51.667, 320.646

Protanomaly
12, 41.190, 300.305

Deuteranomaly
12, 35.069, 298.140

Tritanomaly
14, 26.405, 334.530

Monochromacy



Original Color
14, 51.667, 320.646

Achromatopsia
11, 0.003, 296.813

Achromatomaly
10, 22.932, 320.706

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 51.667, 320.646 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(64, 0, 82)` looks like.

```
.text, #text, p{  
    color:rgb(64, 0, 82)  
}
```

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(64, 0, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 0, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 51.667, 320.646 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(64, 0, 82) }
```

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

```
.border{ border-color:rgb(64, 0, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 0, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 0, 82); -webkit-box-shadow:4px  
4px 4px 4px rgb(64, 0, 82); box-shadow:4px  
4px 4px 4px rgb(64, 0, 82) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 51.667, 320.646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 0, 82) }
```

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

```
.background{ background-color: rgb(64, 0,  
82) }
```

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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