

Converting Colors

CIELCh(3, 67.662, 252.754)

Have a look what the booklet for
CIELCh(3, 67.662, 252.754) contains.

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Color

CIELCh(14, 51.454, 297.654)

Conversions

Conversions Part 1

Format	Color
Hex	001B65
RGB	0, 27, 101
RGB Percent	0%, 11%, 40%
CMY	1.0000, 0.8929, 0.6034
CMYK	1.00, 0.73, 0.00, 0.60
HSL	224°, 100%, 20%
HSV	224°, 100%, 40%
XYZ	2.7336, 1.7298, 12.5376
YIQ	27.3630, -39.8460, 17.2900

Conversions

Conversions Part 2

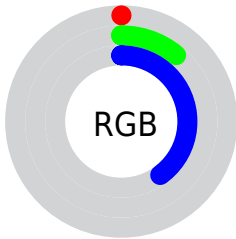
Format	Color
RYB	0, 21, 101
Decimal	7013
CIELab	14.00, 23.88, -45.58
CIELCh	14, 51.454, 297.654
Yxy	1.7298, 0.1608, 0.1017
Android (android.graphics.Color)	4278197093 (0xFF001B65)
YUV	27.3630, 36.3030, -23.9974
Hunter-Lab	13.1521, 14.0842, -47.3133

Details

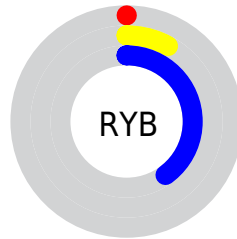
The CIELCh color **14, 51.454, 297.654** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **33, 42.457, 82.939**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 51.734, 298.099**, and **3, 32.980, 295.720** is the 20% darker color. If you saturate the color by 10%, you get **14, 51.418, 297.833**, and if you desaturate by 10%, it is **16, 45.813, 295.028**.

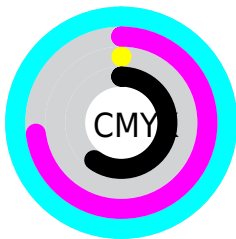
Distribution



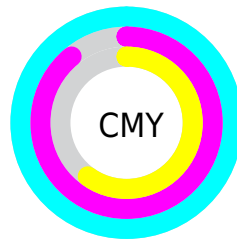
- Red (0%)
- Green (11%)
- Blue (40%)



- Red (0%)
- Yellow (8%)
- Blue (40%)



- Cyan (100%)
- Magenta (73%)
- Yellow (0%)
- Black (60%)



- Cyan (100%)
- Magenta (89%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 51.454, 297.654 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, 51.454, 297.654 by changing the saturation by 10% instead.

■ 14, 51.454,
297.654

■ 14, 51.454,
297.654

■ 100, 51.454,
297.654

■ 4, 51.454, 297.654

■ 34, 51.454,
297.654

■ 0, 51.454, 297.654

■ 44, 51.454,
297.654


■ 54, 51.454,
297.654


■ 64, 51.454,
297.654


■ 74, 51.454,
297.654


■ 84, 51.454,


297.654


 94, 51.454,
297.654

 14, 51.454,
297.654


 14, 51.454,
297.654


 14, 51.418,
297.833

 16, 45.813,
295.028

 19, 40.210,
291.921

 22, 34.702,
288.968

 25, 29.345,
286.272

 28, 24.142,
283.877

■ 31, 19.082,
281.783

■ 34, 14.149,
279.968

■ 37, 9.331, 278.403

■ 40, 4.618, 277.059

Harmonies

Complementary

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



14, 51.454, 297.654



33, 42.457, 82.939

Rectangle

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



14, 51.454, 297.654



14, 51.454, 347.654



14, 51.454, 117.654



14, 51.454, 167.654

Sweetspot

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



14, 51.418, 297.833



44, 17.693, 280.120



37, 34.393, 164.523



20, 12.013, 280.633



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



14, 51.418, 297.833



20, 64.292, 298.849



10, 66.301, 307.843



20, 2.608, 276.928



17, 57.078, 298.343



38, 105.045, 300.289

Inverse Universe

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



19, 44.266, 20.173



27, 54.230, 22.027



40, 50.505, 114.964



19, 2.603, 358.787



23, 48.632, 21.092



51, 86.255, 24.826

Previews

White Background



This preview shows how the CIELCh color 14, 51.454, 297.654 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 CIE LCh color 14, 51.454, 297.654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

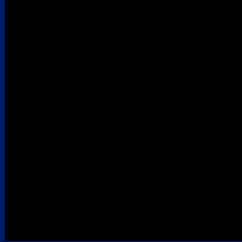
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 51.454, 297.654

Background



This preview shows how black text looks on a background with the CIELCh color 14, 51.454, 297.654.



This preview shows how white text looks on a background with the CIELCh color 14, 51.454, 297.654.

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, 51.561, 297.961

Protanopia

14, 28.780, 281.828

Deuteranopia

15, 20.202, 265.486



Tritanopia
15, 13.965, 202.420

Trichromacy



Original Color
14, 51.561, 297.961

Protanomaly
14, 36.841, 289.809

Deuteranomaly
14, 30.784, 284.338

Tritanomaly
14, 21.297, 269.669

Monochromacy



Original Color
14, 51.561, 297.961

Achromatopsia
10, 0.003, 296.813

Achromatomaly
11, 19.843, 286.527

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 51.454, 297.654 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, 27, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 27, 101)  
}
```

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, 27, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 27, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 51.454, 297.654 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, 27, 101) }
```

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

```
.border{ border-color:rgb(0, 27, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 27, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 27, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 27, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 27, 101)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 51.454, 297.654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 27, 101) }
```

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

```
.background{ background-color: rgb(0, 27,  
101) }
```

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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