

Converting Colors

CIELCh(8, 48.330, 263.212)

Have a look what the booklet for
CIELCh(8, 48.330, 263.212) contains.

CIELCh(14, 41.612, 293.122)	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, 41.612, 293.122)

Conversions

Conversions Part 1

Format	Color
Hex	001F5A
RGB	0, 31, 90
RGB Percent	0%, 12%, 35%
CMY	0.9989, 0.8779, 0.6464
CMYK	1.00, 0.65, 0.00, 0.65
HSL	219°, 99%, 18%
HSV	219°, 100%, 35%
XYZ	2.3495, 1.7298, 9.9198
YIQ	28.4570, -37.4150, 11.7770

Conversions

Conversions Part 2

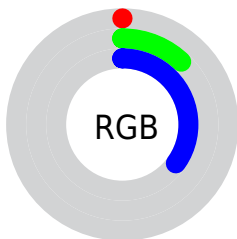
Format	Color
RYB	0, 23, 90
Decimal	8026
CIELab	14.00, 16.34, -38.27
CIELCh	14, 41.612, 293.122
Yxy	1.7298, 0.1678, 0.1236
Android (android.graphics.Color)	4278198106 (0xFF001F5A)
YUV	28.4570, 30.3407, -24.9568
Hunter-Lab	13.1521, 8.8707, -35.5123

Details

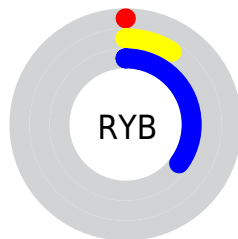
The CIELCh color **14, 41.612, 293.122** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **28, 38.257, 76.872**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 41.896, 293.311**, and **2, 25.974, 292.332** is the 20% darker color. If you saturate the color by 10%, you get **14, 41.759, 293.209**, and if you desaturate by 10%, it is **16, 37.017, 290.108**.

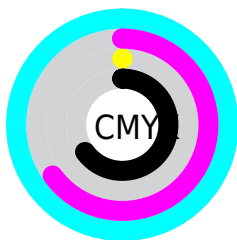
Distribution



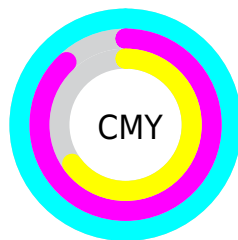
- Red (0%)
- Green (12%)
- Blue (35%)



- Red (0%)
- Yellow (9%)
- Blue (35%)



- Cyan (100%)
- Magenta (65%)
- Yellow (0%)
- Black (65%)





- Cyan (100%)
- Magenta (88%)
- Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 41.612, 293.122 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, 41.612, 293.122 by changing the saturation by 10% instead.

 14, 41.612,
293.122

 14, 41.612,
293.122

 100, 41.612,
293.122

 4, 41.612, 293.122


 34, 41.612,
293.122

 0, 41.612, 293.122

 44, 41.612,
293.122

 54, 41.612,
293.122


 64, 41.612,
293.122


 74, 41.612,
293.122


 84, 41.612,


293.122


 94, 41.612,
293.122


 14, 41.612,
293.122


 14, 41.612,
293.122


 14, 41.759,
293.209

 16, 37.017,
290.108

 18, 32.547,
286.791

 21, 28.186,
283.706

 23, 23.931,
280.927

 26, 19.765,
278.476

■ 28, 15.673,
276.340

■ 31, 11.644,
274.491

■ 33, 7.671, 272.897

■ 36, 3.751, 271.530

Harmonies

Complementary

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



14, 41.612, 293.122



28, 38.257, 76.872

Rectangle

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



14, 41.612, 293.122



14, 41.612, 343.122



14, 41.612, 113.122



14, 41.612, 163.122

Sweetspot

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



14, 41.612, 293.124



40, 14.630, 274.713



33, 34.089, 159.911



18, 9.898, 275.178



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



14, 41.612, 293.124



19, 51.990, 294.492



8, 61.406, 307.259



17, 2.201, 271.427



18, 49.159, 294.195



41, 92.665, 296.629

Inverse Universe

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



17, 39.705, 12.682



24, 48.124, 14.678



36, 45.889, 111.299



17, 2.471, 353.728



22, 45.810, 14.230



50, 81.825, 18.092

Previews

White Background



This preview shows how the CIELCh color 14, 41.612, 293.122 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, 41.612, 293.122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

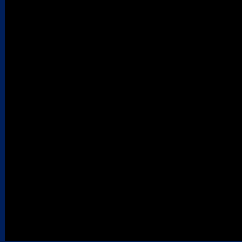
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 41.612, 293.122

Background



This preview shows how black text looks on a background with the CIELCh color 14, 41.612, 293.122.



This preview shows how white text looks on a background with the CIELCh color 14, 41.612, 293.122.

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, 41.612, 293.122

Protanopia

14, 28.137, 281.107

Deuteranopia

14, 20.170, 266.208



Tritanopia
14, 13.761, 202.532

Trichromacy



Original Color
14, 41.612, 293.122

Protanomaly
14, 33.475, 287.067

Deuteranomaly
14, 27.496, 280.353

Tritanomaly
14, 18.487, 262.234

Monochromacy



Original Color
14, 41.612, 293.122

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 15.590, 280.163

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 41.612, 293.122 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, 31, 90)` looks like.

```
.text, #text, p{  
    color:rgb(0, 31, 90)  
}
```

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, 31, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 31, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 41.612, 293.122 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, 31, 90) }
```

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

```
.border{ border-color:rgb(0, 31, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 31, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 31, 90); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 31, 90); box-shadow:4px  
4px 4px 4px rgb(0, 31, 90) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 41.612, 293.122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 31, 90) }
```

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

```
.background{ background-color: rgb(0, 31,  
90) }
```

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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