

Converting Colors

CIELCh(14, 42.138, 296.358)

Have a look what the booklet for
CIELCh(14, 42.138, 296.358)
contains.

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Color

CIELCh(14, 42.194, 296.589)

Conversions

Conversions Part 1

Format	Color
Hex	101D59
RGB	16, 29, 89
RGB Percent	6%, 11%, 35%
CMY	0.9387, 0.8850, 0.6494
CMYK	0.83, 0.67, 0.00, 0.65
HSL	229°, 70%, 21%
HSV	229°, 83%, 35%
XYZ	2.4748, 1.7298, 9.7430
YIQ	31.9530, -27.0080, 15.9040

Conversions

Conversions Part 2

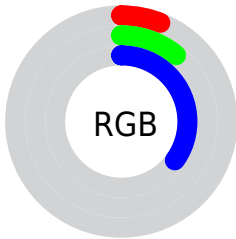
Format	Color
R_YB	16, 27, 89
Decimal	1056089
CIE Lab	14.00, 18.89, -37.73
CIE LCh	14, 42.194, 296.589
Yxy	1.7298, 0.1774, 0.1240
Android (android.graphics.Color)	4279246169 (0xFF101D59)
YUV	31.9530, 28.1242, -13.9908
Hunter-Lab	13.1521, 10.5715, -34.7154

Details

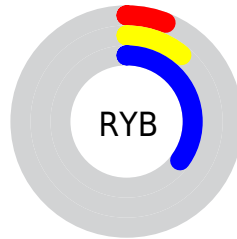
The CIELCh color **14, 42.194, 296.589** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **32, 35.409, 92.170**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 42.564, 296.891**, and **2, 25.188, 291.935** is the 20% darker color. If you saturate the color by 10%, you get **12, 47.784, 299.253**, and if you desaturate by 10%, it is **17, 36.548, 293.919**.

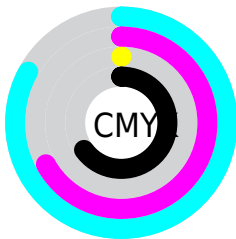
Distribution



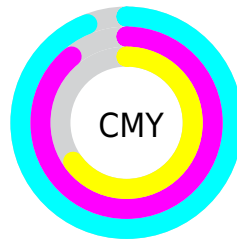
- Red (6%)
- Green (11%)
- Blue (35%)



- Red (6%)
- Yellow (11%)
- Blue (35%)



- Cyan (83%)
- Magenta (67%)
- Yellow (0%)
- Black (65%)



- Cyan (94%)
- Magenta (89%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 42.194, 296.589 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, 42.194, 296.589 by changing the saturation by 10% instead.

■ 14, 42.194,
296.589

■ 14, 42.194,
296.589

■ 100, 42.194,
296.589

■ 4, 42.194, 296.589

■ 34, 42.194,
296.589

■ 0, 42.194, 296.589

■ 44, 42.194,
296.589

■ 54, 42.194,
296.589

■ 64, 42.194,
296.589

■ 74, 42.194,
296.589

■ 84, 42.194,

296.589

■ 94, 42.194,
296.589

■ 14, 42.194,
296.589

■ 14, 42.194,
296.589

■ 12, 47.784,
299.253

■ 17, 36.548,
293.919

■ 10, 51.818,
300.899

■ 19, 31.004,
291.420

■ 22, 25.624,
289.165

■ 25, 20.419,
287.175

■ 28, 15.382,
285.442

■ 31, 10.498,
283.942

■ 34, 5.757, 282.648

■ 37, 1.147, 281.580

■ 40, 3.340, 100.502

Harmonies

Complementary

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



14, 42.194, 296.589



32, 35.409, 92.170

Rectangle

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



14, 42.194, 296.589



14, 42.194, 346.589



14, 42.194, 116.589



14, 42.194, 166.589

Sweetspot

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



14, 42.194, 296.590



40, 14.648, 284.415



34, 25.707, 174.772



18, 9.924, 284.738



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, 42.194, 296.590



15, 64.047, 301.636



13, 50.643, 307.839



17, 2.621, 282.224



13, 61.221, 301.637



34, 113.908, 303.271

Inverse Universe

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



18, 35.756, 19.377



23, 51.341, 27.716



35, 41.990, 118.446



17, 2.301, 5.017



21, 49.166, 27.656



50, 89.561, 31.420

Previews

White Background



This preview shows how the CIELCh color 14, 42.194, 296.589 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, 42.194, 296.589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

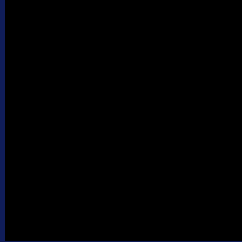
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 42.194, 296.589

Background



This preview shows how black text looks on a background with the CIELCh color 14, 42.194, 296.589.



This preview shows how white text looks on a background with the CIELCh color 14, 42.194, 296.589.

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, 42.173, 296.785

Protanopia

14, 28.189, 281.683

Deuteranopia

14, 20.142, 266.939



Tritanopia
14, 13.451, 205.872

Trichromacy



Original Color
14, 42.173, 296.785

Protanomaly
14, 33.427, 288.951

Deuteranomaly
14, 28.063, 284.119

Tritanomaly
13, 18.529, 267.915

Monochromacy



Original Color
14, 42.173, 296.785

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 15.930, 287.983

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 42.194, 296.589 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(16, 29, 89)` looks like.

```
.text, #text, p{  
    color:rgb(16, 29, 89)  
}
```

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(16, 29, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 29, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 42.194, 296.589 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(16, 29, 89) }
```

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

```
.border{ border-color:rgb(16, 29, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 29, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 29, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 29, 89);  
box-shadow:4px 4px 4px 4px rgb(16, 29, 89)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 42.194, 296.589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 29, 89) }
```

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

```
.background{ background-color: rgb(16, 29,  
89) }
```

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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