

Converting Colors

CIELCh(14, 45.280, 306.173)

Have a look what the booklet for
CIELCh(14, 45.280, 306.173)
contains.

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Color

CIELCh(14, 45.157, 305.997)

Conversions

Conversions Part 1

Format	Color
Hex	271758
RGB	39, 23, 88
RGB Percent	15%, 9%, 35%
CMY	0.8481, 0.9107, 0.6559
CMYK	0.56, 0.74, 0.00, 0.66
HSL	255°, 59%, 22%
HSV	255°, 74%, 34%
XYZ	2.8784, 1.7298, 9.3570
YIQ	35.1940, -11.3290, 23.6070

Conversions

Conversions Part 2

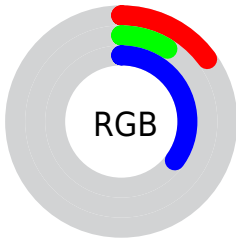
Format	Color
RYB	39, 23, 88
Decimal	2561880
CIELab	14.00, 26.54, -36.53
CIElCh	14, 45.157, 305.997
Yxy	1.7298, 0.2061, 0.1239
Android (android.graphics.Color)	4280751960 (0xFF271758)
YUV	35.1940, 26.0334, 3.3379
Hunter-Lab	13.1521, 16.0500, -32.9752




Details

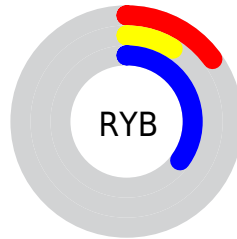
The CIELCh color **14, 45.157, 305.997** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **35, 37.816, 116.009**, and the grayscale version is **14, 0.003, 296.813**.




A 20% lighter version of the original color is **34, 45.550, 306.183**, and **2, 24.837, 292.141** is the 20% darker color. If you saturate the color by 10%, you get **11, 50.959, 306.862**, and if you desaturate by 10%, it is **17, 38.878, 305.007**.

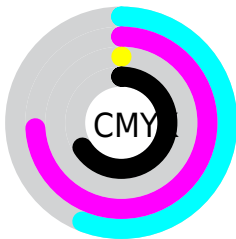
Distribution







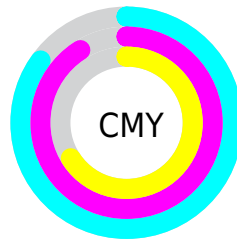
-  Red (15%)
-  Green (9%)
-  Blue (35%)






-  Red (15%)
-  Yellow (9%)
-  Blue (35%)



-  Cyan (56%)
-  Magenta (74%)
-  Yellow (0%)
-  Black (66%)



-  Cyan (85%)
-  Magenta (91%)
-  Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 45.157, 305.997 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, 45.157, 305.997 by changing the saturation by 10% instead.

■ 14, 45.157,
305.997

■ 14, 45.157,
305.997

■ 100, 45.157,
305.997

■ 4, 45.157, 305.997

■ 34, 45.157,
305.997

■ 0, 45.157, 305.997

■ 44, 45.157,
305.997


■ 54, 45.157,
305.997


■ 64, 45.157,
305.997


■ 74, 45.157,
305.997


■ 84, 45.157,


305.997

 94, 45.157,
305.997


 14, 45.157,
305.997

 14, 45.157,
305.997


 11, 50.959,
306.862


 17, 38.878,
305.007


 9, 56.142, 307.611

 20, 32.454,
303.996

 8, 59.654, 308.325

 23, 26.074,
303.027

 26, 19.834,
302.132

 30, 13.775,
301.324

■ 33, 7.911, 300.605

■ 36, 2.244, 299.967

■ 39, 3.233, 119.423

■ 42, 8.529, 118.935

Harmonies

Complementary

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



14, 45.157, 305.997



35, 37.816, 116.009

Rectangle

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



14, 45.157, 305.997



14, 45.157, 355.997



14, 45.157, 125.997



14, 45.157, 175.997

Sweetspot

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



14, 45.157, 305.998



39, 15.690, 301.225



28, 17.614, 231.706



19, 10.655, 301.346



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, 45.157, 305.998



15, 66.275, 307.360



18, 44.592, 319.261



16, 3.094, 300.259



11, 68.787, 308.103



31, 123.184, 307.571

Inverse Universe

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



21, 38.346, 337.346



26, 51.708, 339.113



33, 43.089, 133.240



16, 3.105, 332.656



23, 51.001, 340.274



53, 89.661, 341.311

Previews

White Background



This preview shows how the CIE LCh color 14, 45.157, 305.997 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, 45.157, 305.997 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, 45.157, 305.997

Background



This preview shows how black text looks on a background with the CIELCh color 14, 45.157, 305.997.



This preview shows how white text looks on a background with the CIELCh color 14, 45.157, 305.997.

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, 45.157, 305.997

Protanopia

14, 28.189, 281.683

Deuteranopia

14, 20.170, 266.208



Tritanopia
14, 7.391, 214.813

Trichromacy



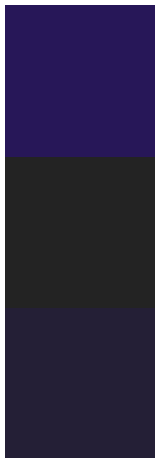
Original Color
14, 45.157, 305.997

Protanomaly
13, 34.114, 292.274

Deuteranomaly
13, 29.331, 288.933

Tritanomaly
14, 18.597, 289.716

Monochromacy



Original Color
14, 45.157, 305.997

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 16.665, 301.678

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 45.157, 305.997 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(39, 23, 88)` looks like.

```
.text, #text, p{  
    color:rgb(39, 23, 88)  
}
```

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(39, 23, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 23, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 45.157, 305.997 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(39, 23, 88) }
```

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

```
.border{ border-color:rgb(39, 23, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 23, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 23, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 23, 88);  
box-shadow:4px 4px 4px 4px rgb(39, 23, 88)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 45.157, 305.997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 23, 88) }
```

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

```
.background{ background-color: rgb(39, 23,  
88) }
```

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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