

Converting Colors

CIELCh(14, 24.509, 305.983)

Have a look what the booklet for
CIELCh(14, 24.509, 305.983)
contains.

CIELCh(14, 23.800, 305.293)	3
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Color

CIELCh(14, 23.800, 305.293)

Conversions

Conversions Part 1

Format	Color
Hex	281E3F
RGB	40, 30, 63
RGB Percent	16%, 12%, 25%
CMY	0.8436, 0.8828, 0.7534
CMYK	0.37, 0.52, 0.00, 0.75
HSL	258°, 36%, 18%
HSV	258°, 52%, 25%
XYZ	2.2263, 1.7298, 4.9022
YIQ	36.7520, -4.6330, 12.3830

Conversions

Conversions Part 2

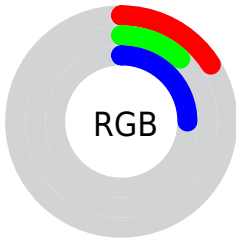
Format	Color
RYB	40, 30, 63
Decimal	2629183
CIELab	14.00, 13.75, -19.43
CIElCh	14, 23.800, 305.293
Yxy	1.7298, 0.2513, 0.1953
Android (android.graphics.Color)	4280819263 (0xFF281E3F)
YUV	36.7520, 12.9403, 2.8485
Hunter-Lab	13.1521, 7.1997, -12.8929

Details

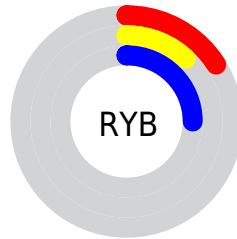
The CIELCh color **14, 23.800, 305.293** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **25, 21.565, 119.315**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 23.751, 304.779**, and **1, 8.892, 288.391** is the 20% darker color. If you saturate the color by 10%, you get **12, 28.625, 306.096**, and if you desaturate by 10%, it is **16, 19.017, 304.522**.

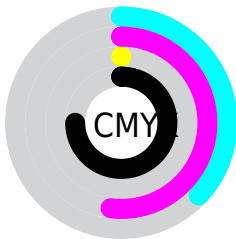
Distribution



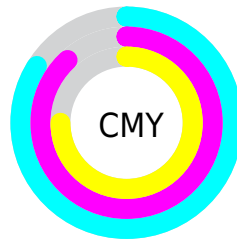
- Red (16%)
- Green (12%)
- Blue (25%)



- Red (16%)
- Yellow (12%)
- Blue (25%)



- Cyan (37%)
- Magenta (52%)
- Yellow (0%)
- Black (75%)



- Cyan (84%)
- Magenta (88%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 23.800, 305.293 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, 23.800, 305.293 by changing the saturation by 10% instead.

■ 14, 23.800,
305.293

■ 14, 23.800,
305.293

■ 100, 23.800,
305.293

■ 4, 23.800, 305.293

■ 34, 23.800,
305.293

■ 0, 23.800, 305.293

■ 44, 23.800,
305.293


■ 54, 23.800,
305.293


■ 64, 23.800,
305.293


■ 74, 23.800,
305.293

■ 84, 23.800,


305.293

 94, 23.800,
305.293


 14, 23.800,
305.293

 14, 23.800,
305.293

 12, 28.625,
306.096

 16, 19.017,
304.522

 9, 33.394, 306.889


 19, 14.330,
303.803

 7, 37.884, 307.565

 21, 9.766, 303.147

 6, 41.544, 307.676

 24, 5.336, 302.554

 4, 44.116, 307.629

 26, 1.039, 302.009

 28, 3.125, 121.569

■ 31, 7.162, 121.152

■ 33, 11.077,
120.786

■ 36, 14.877,
120.466

Harmonies

Complementary

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



14, 23.800, 305.293



25, 21.565, 119.315

Rectangle

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



14, 23.800, 305.293



14, 23.800, 355.293



14, 23.800, 125.293



14, 23.800, 175.293

Sweetspot

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



14, 23.800, 305.293



30, 8.569, 302.798



21, 10.731, 237.155



13, 5.692, 302.833



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



14, 23.800, 305.293



16, 35.959, 306.361



16, 25.121, 320.776



10, 2.310, 302.330



10, 62.217, 308.990



31, 116.998, 308.256

Inverse Universe

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



17, 21.284, 337.926



20, 30.910, 339.048



24, 24.659, 136.187



10, 2.211, 334.857



19, 45.075, 343.700



49, 82.751, 345.367

Previews

White Background



This preview shows how the CIELCh color 14, 23.800, 305.293 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, 23.800, 305.293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

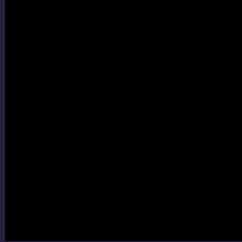
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 23.800, 305.293

Background



This preview shows how black text looks on a background with the CIELCh color 14, 23.800, 305.293.



This preview shows how white text looks on a background with the CIELCh color 14, 23.800, 305.293.

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

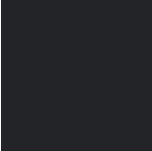
14, 23.800, 305.293

Protanopia

14, 23.659, 284.164

Deuteranopia

14, 18.430, 275.788



Tritanopia
14, 2.178, 278.245

Trichromacy



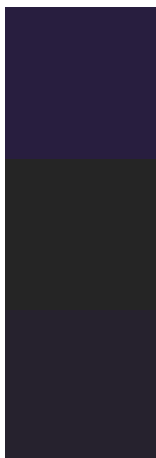
Original Color
14, 23.800, 305.293

Protanomaly
14, 23.498, 290.875

Deuteranomaly
14, 20.037, 286.787

Tritanomaly
14, 10.102, 300.403

Monochromacy



Original Color
14, 23.800, 305.293

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 8.779, 304.337

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 23.800, 305.293 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(40, 30, 63)` looks like.

```
.text, #text, p{  
    color:rgb(40, 30, 63)  
}
```

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(40, 30, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 30, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 23.800, 305.293 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(40, 30, 63) }
```

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

```
.border{ border-color:rgb(40, 30, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 30, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 30, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 30, 63);  
box-shadow:4px 4px 4px 4px rgb(40, 30, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 23.800, 305.293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 30, 63) }
```

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

```
.background{ background-color: rgb(40, 30,  
63) }
```

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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