

Converting Colors

CIELCh(14, 24.496, 311.963)

Have a look what the booklet for
CIELCh(14, 24.496, 311.963)
contains.

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Color

CIELCh(14, 24.325, 311.917)

Conversions

Conversions Part 1

Format	Color
Hex	2D1C3D
RGB	45, 28, 61
RGB Percent	18%, 11%, 24%
CMY	0.8233, 0.8900, 0.7606
CMYK	0.26, 0.54, 0.00, 0.76
HSL	271°, 37%, 17%
HSV	271°, 54%, 24%
XYZ	2.3451, 1.7298, 4.6334
YIQ	36.8450, -0.4610, 13.8670

Conversions

Conversions Part 2

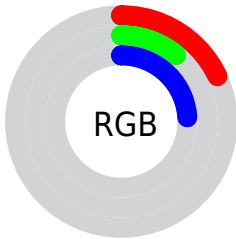
Format	Color
RYB	45, 28, 61
Decimal	2956349
CIELab	14.00, 16.25, -18.10
CIElCh	14, 24.325, 311.917
Yxy	1.7298, 0.2693, 0.1986
Android (android.graphics.Color)	4281146429 (0xFF2D1C3D)
YUV	36.8450, 11.9084, 7.1519
Hunter-Lab	13.1521, 8.8115, -11.6809

Details

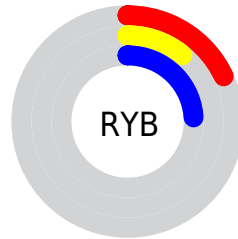
The CIELCh color **14, 24.325, 311.917** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **24, 22.767, 127.426**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 24.524, 311.969**, and **1, 7.046, 287.923** is the 20% darker color. If you saturate the color by 10%, you get **12, 28.857, 312.339**, and if you desaturate by 10%, it is **16, 19.715, 311.464**.

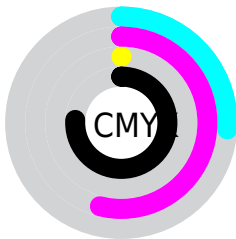
Distribution



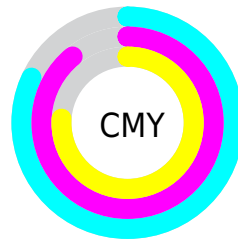
- Red (18%)
- Green (11%)
- Blue (24%)



- Red (18%)
- Yellow (11%)
- Blue (24%)



- Cyan (26%)
- Magenta (54%)
- Yellow (0%)
- Black (76%)





- Cyan (82%)
- Magenta (89%)
- Yellow (76%)
- Black (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 24.325, 311.917 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, 24.325, 311.917 by changing the saturation by 10% instead.

 14, 24.325,
311.917


 14, 24.325,
311.917

 100, 24.325,
311.917


 4, 24.325, 311.917


 34, 24.325,
311.917

 0, 24.325, 311.917

 44, 24.325,
311.917

 54, 24.325,
311.917

 64, 24.325,
311.917

 74, 24.325,
311.917

 84, 24.325,

311.917

94, 24.325,
311.917

14, 24.325,
311.917

14, 24.325,
311.917

12, 28.857,
312.339

16, 19.715,
311.464

10, 33.187,
312.689

18, 15.110,
311.005

8, 37.140, 312.915

20, 10.561,
310.559

7, 40.973, 313.099

23, 6.099, 310.133

6, 43.161, 313.114

25, 1.740, 309.718

27, 2.509, 129.409

■ 29, 6.645, 129.067

■ 32, 10.668,
128.767

■ 34, 14.582,
128.500

Harmonies

Complementary

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



14, 24.325, 311.917



24, 22.767, 127.426

Rectangle

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



14, 24.325, 311.917



14, 24.325, 1.917



14, 24.325, 131.917



14, 24.325, 181.917

Sweetspot

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



14, 24.324, 311.917



29, 8.640, 310.244



18, 12.674, 264.054



13, 5.891, 310.272



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, 24.324, 311.917



16, 36.277, 312.484



16, 26.156, 326.899



10, 2.398, 309.902



12, 59.700, 312.992



36, 112.096, 312.114

Inverse Universe

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



16, 18.811, 349.494



19, 27.437, 351.469



23, 26.264, 140.693



10, 1.905, 345.029



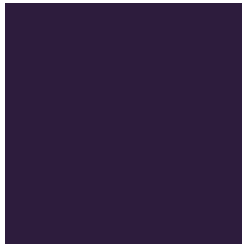
18, 41.082, 0.353



48, 76.083, 4.041

Previews

White Background



This preview shows how the CIELCh color 14, 24.325, 311.917 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



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, 24.325, 311.917

Background



This preview shows how black text looks on a background with the CIELCh color 14, 24.325, 311.917.



This preview shows how white text looks on a background with the CIELCh color 14, 24.325, 311.917.

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, 24.325, 311.917

Protanopia

14, 23.659, 284.164

Deuteranopia

14, 16.864, 276.894



Tritanopia
14, 4.064, 348.888

Trichromacy



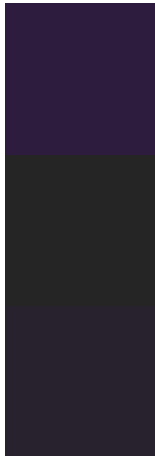
Original Color
14, 24.325, 311.917

Protanomaly
14, 23.523, 293.235

Deuteranomaly
14, 19.254, 292.171

Tritanomaly
14, 11.015, 317.244

Monochromacy



Original Color
14, 24.325, 311.917

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 9.005, 310.069

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 24.325, 311.917 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(45, 28, 61)` looks like.

```
.text, #text, p{  
    color:rgb(45, 28, 61)  
}
```

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(45, 28, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 28, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 24.325, 311.917 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(45, 28, 61) }
```

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

```
.border{ border-color:rgb(45, 28, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 28, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 28, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 28, 61);  
box-shadow:4px 4px 4px 4px rgb(45, 28, 61)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 24.325, 311.917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 28, 61) }
```

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

```
.background{ background-color: rgb(45, 28,  
61) }
```

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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