

Converting Colors

CIELCh(14, 46.575, 296.082)

Have a look what the booklet for
CIELCh(14, 46.575, 296.082)
contains.

CIELCh(14, 46.924, 296.196)	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, 46.924, 296.196)

Conversions

Conversions Part 1

Format	Color
Hex	021D60
RGB	2, 29, 96
RGB Percent	1%, 11%, 38%
CMY	0.9928, 0.8866, 0.6239
CMYK	0.98, 0.70, 0.00, 0.62
HSL	223°, 96%, 19%
HSV	223°, 98%, 38%
XYZ	2.5675, 1.7298, 11.2428
YIQ	28.5650, -37.5990, 15.1130

Conversions

Conversions Part 2

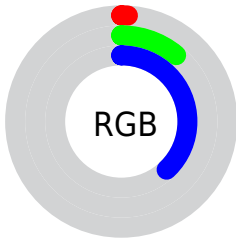
Format	Color
R_YB	2, 23, 96
Decimal	138592
CIE _{Lab}	14.00, 20.71, -42.10
CIE _{LCh}	14, 46.924, 296.196
Yxy	1.7298, 0.1652, 0.1113
Android (android.graphics.Color)	4278328672 (0xFF021D60)
YUV	28.5650, 33.2455, -23.2975
Hunter-Lab	13.1521, 11.8304, -41.4764

Details

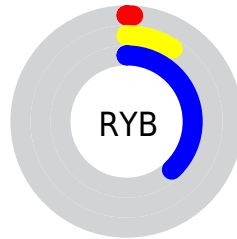
The CIELCh color **14, 46.924, 296.196** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **31, 40.064, 81.792**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 46.821, 296.119**, and **3, 30.257, 294.346** is the 20% darker color. If you saturate the color by 10%, you get **14, 47.933, 296.693**, and if you desaturate by 10%, it is **16, 41.666, 293.246**.

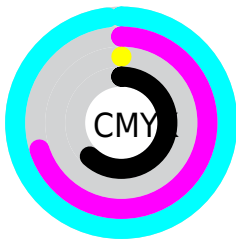
Distribution



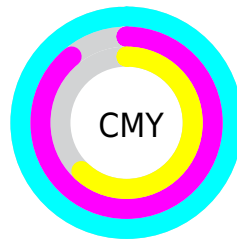
- Red (1%)
- Green (11%)
- Blue (38%)



- Red (1%)
- Yellow (9%)
- Blue (38%)



- Cyan (98%)
- Magenta (70%)
- Yellow (0%)
- Black (62%)



- Cyan (99%)
- Magenta (89%)
- Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 46.924, 296.196 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, 46.924, 296.196 by changing the saturation by 10% instead.

 14, 46.924,
296.196

 14, 46.924,
296.196

 100, 46.924,
296.196


 4, 46.924, 296.196


 34, 46.924,
296.196

 0, 46.924, 296.196

 44, 46.924,
296.196


 54, 46.924,
296.196

 64, 46.924,
296.196


 74, 46.924,
296.196

 84, 46.924,


296.196


 94, 46.924,
296.196


 14, 46.924,
296.196


 14, 46.924,
296.196


 14, 47.933,
296.693

 16, 41.666,
293.246

 19, 36.470,
290.118

 21, 31.390,
287.189

 24, 26.451,
284.541

 27, 21.646,
282.199

■ 30, 16.960,
280.158

■ 33, 12.380,
278.390

■ 36, 7.895, 276.865

■ 38, 3.498, 275.559

Harmonies

Complementary

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



14, 46.924, 296.196



31, 40.064, 81.792

Rectangle

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



14, 46.924, 296.196



14, 46.924, 346.196



14, 46.924, 116.196



14, 46.924, 166.196

Sweetspot

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



14, 46.924, 296.198



42, 15.918, 278.689



36, 33.337, 163.657



20, 11.042, 279.206



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



14, 46.924, 296.198



19, 59.676, 297.786



9, 62.796, 307.462



18, 2.448, 275.655



17, 54.600, 297.377



39, 101.618, 299.476

Inverse Universe

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



18, 41.646, 17.506



25, 51.426, 20.088



38, 47.912, 114.014



18, 2.514, 357.509



22, 47.453, 19.371



51, 84.688, 23.221

Previews

White Background



This preview shows how the CIELCh color 14, 46.924, 296.196 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, 46.924, 296.196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

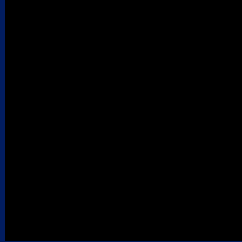
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 46.924, 296.196

Background



This preview shows how black text looks on a background with the CIELCh color 14, 46.924, 296.196.



This preview shows how white text looks on a background with the CIELCh color 14, 46.924, 296.196.

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, 46.924, 296.196

Protanopia

14, 28.137, 281.107

Deuteranopia

14, 20.170, 266.208



Tritanopia
14, 13.761, 202.532

Trichromacy



Original Color
14, 46.924, 296.196

Protanomaly
14, 35.509, 289.172

Deuteranomaly
14, 29.455, 283.354

Tritanomaly
14, 19.503, 265.966

Monochromacy



Original Color
14, 46.924, 296.196

Achromatopsia
10, 0.003, 296.813

Achromatomaly
11, 18.444, 285.135

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 46.924, 296.196 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(2, 29, 96)` looks like.

```
.text, #text, p{  
    color:rgb(2, 29, 96)  
}
```

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(2, 29, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 29, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 46.924, 296.196 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(2, 29, 96) }
```

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

```
.border{ border-color:rgb(2, 29, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 29, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 29, 96); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 29, 96); box-shadow:4px  
4px 4px 4px rgb(2, 29, 96) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 46.924, 296.196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 29, 96) }
```

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

```
.background{ background-color: rgb(2, 29,  
96) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor