

Converting Colors

CIELCh(10, 42.281, 312.113)

Have a look what the booklet for
CIELCh(10, 42.281, 312.113)
contains.

CIELCh(10, 42.214, 312.106)	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(10, 42.214, 312.106)

Conversions

Conversions Part 1

Format	Color
Hex	280B47
RGB	40, 11, 71
RGB Percent	16%, 4%, 28%
CMY	0.8445, 0.9582, 0.7229
CMYK	0.44, 0.85, 0.00, 0.72
HSL	269°, 74%, 16%
HSV	269°, 85%, 28%
XYZ	2.1032, 1.1260, 6.0092
YIQ	26.5110, -1.9760, 24.8080

Conversions

Conversions Part 2

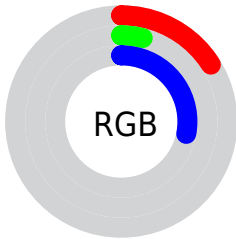
Format	Color
RYB	40, 11, 71
Decimal	2624327
CIELab	10.00, 28.30, -31.32
CIElCh	10, 42.214, 312.106
Yxy	1.1260, 0.2277, 0.1219
Android (android.graphics.Color)	4280814407 (0xFF280B47)
YUV	26.5110, 21.9331, 11.8299
Hunter-Lab	10.6114, 16.8094, -26.1478




Details

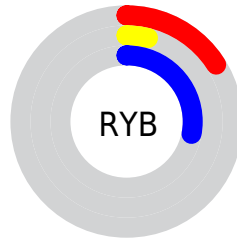
The CIELCh color **10, 42.214, 312.106** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **27, 37.421, 125.775**, and the grayscale version is **9, 0.003, 296.813**.




A 20% lighter version of the original color is **30, 42.058, 312.133**, and **1, 13.319, 288.988** is the 20% darker color. If you saturate the color by 10%, you get **8, 46.534, 312.411**, and if you desaturate by 10%, it is **12, 37.837, 311.872**.

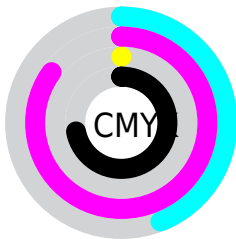
Distribution







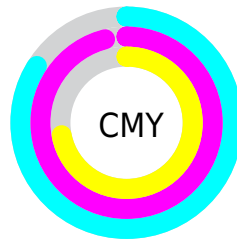
-  Red (16%)
-  Green (4%)
-  Blue (28%)






-  Red (16%)
-  Yellow (4%)
-  Blue (28%)



-  Cyan (44%)
-  Magenta (85%)
-  Yellow (0%)
-  Black (72%)





-  Cyan (84%)
-  Magenta (96%)
-  Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 10, 42.214, 312.106 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 10, 42.214, 312.106 by changing the saturation by 10% instead.


 10, 42.214,
312.106


 10, 42.214,
312.106


 100, 42.214,
312.106


 0, 42.214, 312.106

 30, 42.214,
312.106

 40, 42.214,
312.106


 50, 42.214,
312.106


 60, 42.214,
312.106


 70, 42.214,
312.106

 80, 42.214,


312.106

 90, 42.214,
312.106


 10, 42.214,
312.106


 10, 42.214,
312.106


 8, 46.534, 312.411


 12, 37.837,
311.872

 7, 48.979, 312.676

 14, 32.978,
311.491

 16, 27.862,
311.028

 19, 22.651,
310.531

 21, 17.445,
310.030

■ 24, 12.309,
309.545

■ 26, 7.278, 309.086

■ 29, 2.369, 308.650

■ 31, 2.408, 128.311

Harmonies

Complementary

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



10, 42.214, 312.106



27, 37.421, 125.775

Rectangle

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



10, 42.214, 312.106



10, 42.214, 2.106



10, 42.214, 132.106



10, 42.214, 182.106

Sweetspot

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



10, 42.214, 312.106



31, 15.368, 309.596



17, 20.801, 269.944



14, 10.350, 309.670



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



10, 42.214, 312.106



11, 58.931, 312.306



15, 41.583, 326.806



13, 2.721, 308.811



13, 62.382, 312.189



36, 114.845, 311.372

Inverse Universe

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



14, 30.870, 352.822



18, 40.641, 357.423



25, 42.343, 137.132



13, 2.223, 343.324



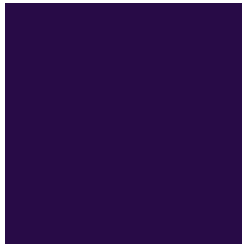
20, 42.915, 357.849



49, 77.744, 1.014

Previews

White Background



This preview shows how the CIELCh color 10, 42.214, 312.106 looks on a white background.

Color Contrast Check

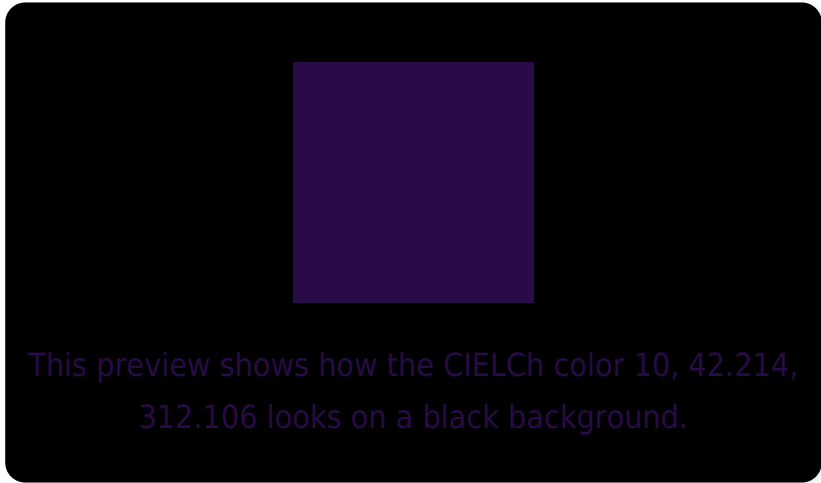
Large Text (above 18pt) WCAG AA ✓ Pass

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

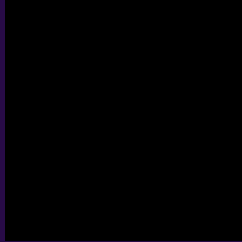
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 42.214, 312.106

Background



This preview shows how black text looks on a background with the CIELCh color 10, 42.214, 312.106.



This preview shows how white text looks on a background with the CIELCh color 10, 42.214, 312.106.

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

10, 42.214, 312.106

Protanopia

10, 23.969, 280.424

Deuteranopia

10, 17.073, 264.431



Tritanopia
11, 1.554, 309.254

Trichromacy



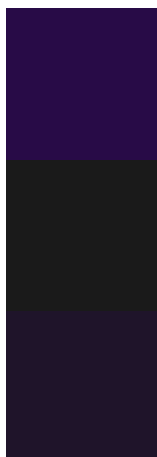
Original Color
10, 42.214, 312.106

Protanomaly
9, 30.913, 295.537

Deuteranomaly
9, 25.929, 292.497

Tritanomaly
10, 17.748, 311.849

Monochromacy



Original Color
10, 42.214, 312.106

Achromatopsia
9, 0.003, 296.813

Achromatomaly
9, 17.115, 311.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 42.214, 312.106 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, 11, 71)` looks like.

```
.text, #text, p{  
    color:rgb(40, 11, 71)  
}
```

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, 11, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 11, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 42.214, 312.106 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, 11, 71) }
```

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

```
.border{ border-color:rgb(40, 11, 71) }
```

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

Here you see how a box with a 4 pixel rgb(40, 11, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 11, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 11, 71);  
box-shadow:4px 4px 4px 4px rgb(40, 11, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 10, 42.214, 312.106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 11, 71) }
```

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

```
.background{ background-color: rgb(40, 11,  
71) }
```

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