

Converting Colors

CIELCh(28, 27.977, 300.380)

Have a look what the booklet for
CIELCh(28, 27.977, 300.380)
contains.

CIELCh(28, 28.042, 300.310)	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(28, 28.042, 300.310)

Conversions

Conversions Part 1

Format	Color
Hex	433C67
RGB	67, 60, 103
RGB Percent	26%, 24%, 40%
CMY	0.7359, 0.7634, 0.5947
CMYK	0.35, 0.42, 0.00, 0.59
HSL	250°, 26%, 32%
HSV	250°, 42%, 41%
XYZ	6.4371, 5.4574, 13.6394
YIQ	66.9950, -9.6310, 14.8570

Conversions

Conversions Part 2

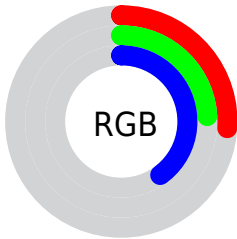
Format	Color
RYB	67, 60, 103
Decimal	4406375
CIELab	28.00, 14.15, -24.21
CIElCh	28, 28.042, 300.310
Yxy	5.4574, 0.2521, 0.2137
Android (android.graphics.Color)	4282596455 (0xFF433C67)
YUV	66.9950, 17.7505, 0.0044
Hunter-Lab	23.3610, 8.3034, -18.2638

Details

The CIELCh color **28, 28.042, 300.310** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **42, 25.511, 113.733**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 28.086, 300.895**, and **8, 28.395, 300.259** is the 20% darker color. If you saturate the color by 10%, you get **24, 35.374, 301.521**, and if you desaturate by 10%, it is **32, 20.922, 299.220**.

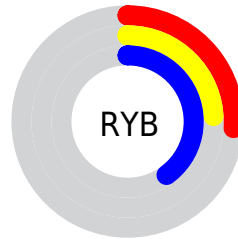
Distribution



Red (26%)

Green (24%)

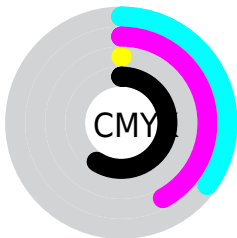
Blue (40%)



Red (26%)

Yellow (24%)

Blue (40%)

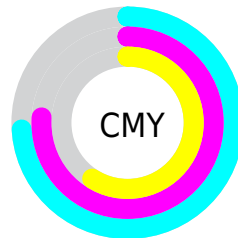


Cyan (35%)

Magenta (42%)

Yellow (0%)

Black (59%)



Cyan (74%)

Magenta (76%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 28.042, 300.310 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 28, 28.042, 300.310 by changing the saturation by 10% instead.

■ 28, 28.042,
300.310

■ 28, 28.042,
300.310

■ 100, 28.042,
300.310

■ 18, 28.042,
300.310

■ 48, 28.042,
300.310

■ 8, 28.042, 300.310

■ 58, 28.042,
300.310

■ 0, 28.042, 300.310

■ 68, 28.042,
300.310

■ 78, 28.042,
300.310

■ 88, 28.042,
300.310

■ 98, 28.042,

300.310

■ 28, 28.042,
300.310

■ 28, 28.042,
300.310

■ 24, 35.374,
301.521

■ 32, 20.922,
299.220

■ 21, 42.834,
302.824

■ 36, 14.046,
298.256

■ 17, 50.220,
304.152

■ 39, 7.418, 297.413

■ 14, 57.139,
305.382

■ 43, 1.028, 296.681

■ 47, 5.135, 116.044

■ 12, 62.964,
306.338

■ 51, 11.085,
115.493

■ 10, 67.821,
307.320

■ 54, 16.835,
115.017

■ 58, 22.399,
114.604

■ 62, 27.787,
114.246

Harmonies

Complementary

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



28, 28.042, 300.310



42, 25.511, 113.733

Rectangle

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



28, 28.042, 300.310



28, 28.042, 350.310



28, 28.042, 120.310



28, 28.042, 170.310

Sweetspot

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



28, 28.041, 300.310



51, 9.549, 297.469



39, 13.651, 214.873



25, 6.393, 297.538



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



28, 28.041, 300.310



33, 42.683, 301.497



30, 29.434, 315.821



19, 3.524, 297.203



12, 73.127, 307.239



32, 127.504, 306.881

Inverse Universe

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



32, 28.280, 331.716



39, 41.727, 332.321



41, 28.407, 132.266



20, 3.778, 329.748



25, 56.727, 335.619



55, 97.663, 336.154

Previews

White Background



This preview shows how the CIELCh color 28, 28.042, 300.310 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 28, 28.042, 300.310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

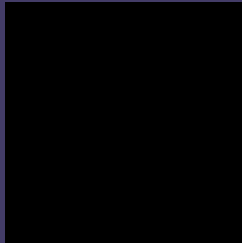
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 28.042, 300.310

Background



This preview shows how black text looks on a background with the CIELCh color 28, 28.042, 300.310.

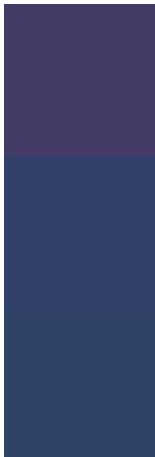


This preview shows how white text looks on a background with the CIELCh color 28, 28.042, 300.310.

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
28, 28.042, 300.310

Protanopia
28, 27.360, 284.563

Deuteranopia
28, 23.711, 280.188



Tritanopia
28, 4.064, 252.138

Trichromacy



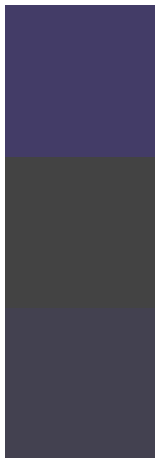
Original Color
28, 28.042, 300.310

Protanomaly
28, 27.834, 290.580

Deuteranomaly
28, 24.662, 287.696

Tritanomaly
28, 11.674, 288.506

Monochromacy



Original Color
28, 28.042, 300.310

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 9.768, 296.868

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 28.042, 300.310 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(67, 60, 103)` looks like.

```
.text, #text, p{  
    color:rgb(67, 60, 103)  
}
```

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(67, 60, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 60, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 28.042, 300.310 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(67, 60, 103) }
```

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

```
.border{ border-color:rgb(67, 60, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 60, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 60, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 60, 103);  
box-shadow:4px 4px 4px 4px rgb(67, 60,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 28.042, 300.310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 60, 103) }
```

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

```
.background{ background-color: rgb(67, 60,  
103) }
```

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