

Converting Colors

CIELCh(10, 42.959, 322.875)

Have a look what the booklet for
CIELCh(10, 42.959, 322.875)
contains.

CIELCh(10, 42.959, 322.875)	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, 42.959, 322.875)

Conversions

Conversions Part 1

Format	Color
Hex	35003F
RGB	53, 0, 63
RGB Percent	21%, 0%, 25%
CMY	0.7914, 0.9994, 0.7522
CMYK	0.16, 1.00, 0.00, 0.75
HSL	290°, 100%, 12%
HSV	290°, 100%, 25%
XYZ	2.3820, 1.1260, 4.8212
YIQ	23.0290, 11.3650, 30.8290

Conversions

Conversions Part 2

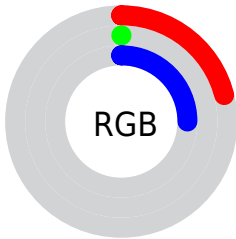
Format	Color
R _Y B	53, 0, 63
Decimal	3473471
CIE Lab	10.00, 34.25, -25.93
CIE LCh	10, 42.959, 322.875
Yxy	1.1260, 0.2860, 0.1352
Android (android.graphics.Color)	4281663551 (0xFF35003F)
YUV	23.0290, 19.7057, 26.2846
Hunter-Lab	10.6114, 21.4996, -19.5099

Details

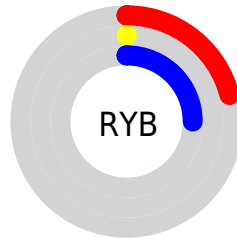
The CIELCh color **10, 42.959, 322.875** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **22, 42.211, 134.639**, and the grayscale version is **8, 0.002, 296.812**.

A 20% lighter version of the original color is **30, 42.887, 323.213**, and **1, 8.250, 288.252** is the 20% darker color. If you saturate the color by 10%, you get **10, 43.040, 322.880**, and if you desaturate by 10%, it is **11, 39.573, 322.729**.

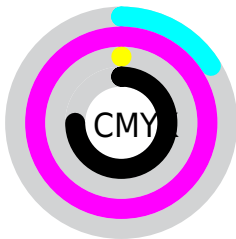
Distribution



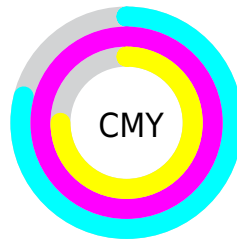
- Red (21%)
- Green (0%)
- Blue (25%)



- Red (21%)
- Yellow (0%)
- Blue (25%)



- Cyan (16%)
- Magenta (100%)
- Yellow (0%)
- Black (75%)





- Cyan (79%)
- Magenta (100%)
- Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 42.959, 322.875 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, 42.959, 322.875 by changing the saturation by 10% instead.


 10, 42.959,
322.875


 10, 42.959,
322.875


 100, 42.959,
322.875


 0, 42.959, 322.875

 30, 42.959,
322.875

 40, 42.959,
322.875


 50, 42.959,
322.875


 60, 42.959,
322.875


 70, 42.959,
322.875


 80, 42.959,


322.875

 90, 42.959,
322.875


 10, 42.959,
322.875


 10, 42.959,
322.875

 10, 43.040,
322.880

 11, 39.573,
322.729

 12, 36.467,
322.666

 14, 32.844,
322.520

 15, 28.686,
322.279

 17, 24.156,
321.969

■ 19, 19.395,
321.610

■ 21, 14.517,
321.222

■ 23, 9.605, 320.819

■ 25, 4.718, 320.406

Harmonies

Complementary

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



10, 42.959, 322.875



22, 42.211, 134.639

Rectangle

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



10, 42.959, 322.875



10, 42.959, 12.875



10, 42.959, 142.875



10, 42.959, 192.875

Sweetspot

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



10, 42.958, 322.875



27, 18.104, 321.282



5, 38.378, 298.338



11, 12.143, 321.339



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



10, 42.958, 322.875



15, 51.110, 322.660



11, 34.089, 344.385



10, 2.606, 320.346



18, 56.512, 322.553



47, 105.436, 322.118

Inverse Universe

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



10, 31.935, 20.460



14, 39.384, 25.782



22, 35.616, 145.204



10, 1.609, 7.026



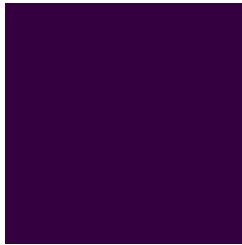
18, 44.315, 27.964



46, 86.559, 33.046

Previews

White Background



This preview shows how the CIELCh color 10, 42.959, 322.875 looks on a white background.

Color Contrast Check

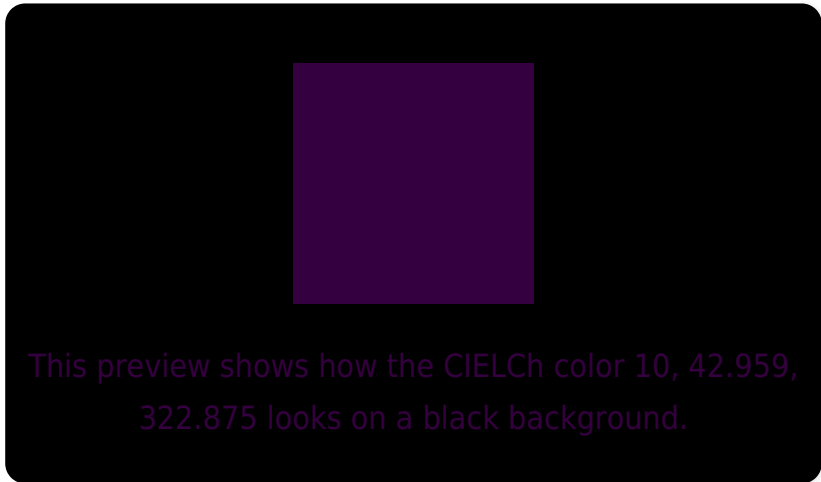
Large Text (above 18pt) WCAG AA ✓ Pass

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

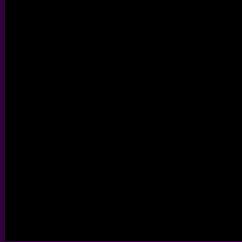
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 42.959, 322.875

Background



This preview shows how black text looks on a background with the CIELCh color 10, 42.959, 322.875.



This preview shows how white text looks on a background with the CIELCh color 10, 42.959, 322.875.

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, 42.959, 322.875

Protanopia

12, 25.143, 280.179

Deuteranopia

12, 18.891, 266.998



Tritanopia
12, 12.324, 16.722

Trichromacy



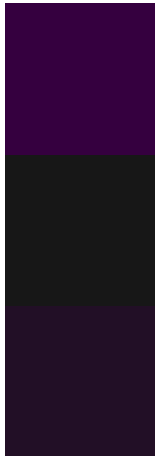
Original Color
10, 42.959, 322.875

Protanomaly
9, 32.372, 299.210

Deuteranomaly
9, 28.119, 297.513

Tritanomaly
11, 22.323, 338.552

Monochromacy



Original Color
10, 42.959, 322.875

Achromatopsia
8, 0.002, 296.812

Achromatomaly
7, 18.930, 321.575

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 42.959, 322.875 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(53, 0, 63)` looks like.

```
.text, #text, p{  
    color:rgb(53, 0, 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(53, 0, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 0, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 42.959, 322.875 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(53, 0, 63) }
```

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

```
.border{ border-color:rgb(53, 0, 63) }
```

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

Here you see how a box with a 4 pixel rgb(53, 0, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 0, 63); -webkit-box-shadow:4px  
4px 4px 4px rgb(53, 0, 63); box-shadow:4px  
4px 4px 4px rgb(53, 0, 63) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 42.959, 322.875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 0, 63) }
```

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

```
.background{ background-color: rgb(53, 0,  
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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