

Converting Colors

CIELCh(0, 77.435, 329.444)

Have a look what the booklet for
CIELCh(0, 77.435, 329.444) contains.

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Color

CIELCh(10, 40.773, 327.072)

Conversions

Conversions Part 1

Format	Color
Hex	38003A
RGB	56, 0, 58
RGB Percent	22%, 0%, 23%
CMY	0.7807, 1.0000, 0.7726
CMYK	0.04, 1.00, 0.00, 0.77
HSL	298°, 100%, 11%
HSV	298°, 100%, 23%
XYZ	2.3806, 1.1260, 4.0919
YIQ	23.3560, 14.7580, 29.9100

Conversions

Conversions Part 2

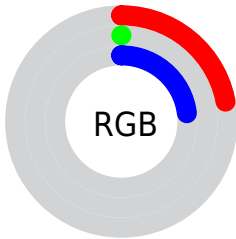
Format	Color
R_{YB}	56, 0, 58
Decimal	3670074
CIE _{Lab}	10.00, 34.22, -22.16
CIE _{LCh}	10, 40.773, 327.072
Yxy	1.1260, 0.3133, 0.1482
Android (android.graphics.Color)	4281860154 (0xFF38003A)
YUV	23.3560, 17.0795, 28.6288
Hunter-Lab	10.6114, 21.4756, -15.4349

Details

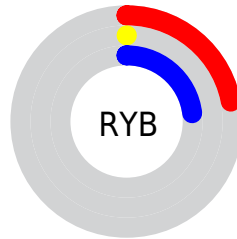
The CIELCh color **10, 40.773, 327.072** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **20, 40.420, 136.958**, and the grayscale version is **8, 0.002, 296.812**.

A 20% lighter version of the original color is **30, 40.793, 327.067**, and **0, 4.885, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **10, 40.319, 327.021**, and if you desaturate by 10%, it is **11, 37.239, 326.790**.

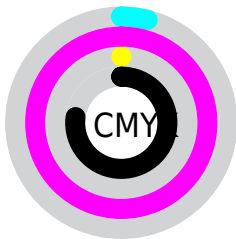
Distribution



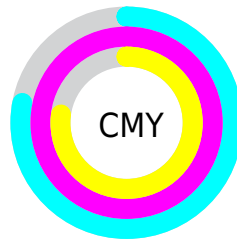
- Red (22%)
- Green (0%)
- Blue (23%)



- Red (22%)
- Yellow (0%)
- Blue (23%)



- Cyan (4%)
- Magenta (100%)
- Yellow (0%)
- Black (77%)





- Cyan (78%)
- Magenta (100%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 40.773, 327.072 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, 40.773, 327.072 by changing the saturation by 10% instead.


 10, 40.773,
327.072


 10, 40.773,
327.072


 100, 40.773,
327.072


 0, 40.773, 327.072

 30, 40.773,
327.072

 40, 40.773,
327.072


 50, 40.773,
327.072


 60, 40.773,
327.072


 70, 40.773,
327.072


 80, 40.773,


327.072


 90, 40.773,
327.072


 10, 40.773,
327.072


 10, 40.773,
327.072

 10, 40.319,
327.021

 11, 37.239,
326.790

 12, 34.395,
326.590

 13, 31.141,
326.342

 14, 27.347,
326.029

 16, 23.151,
325.664

■ 17, 18.683,
325.260

■ 19, 14.057,
324.828

■ 21, 9.360, 324.380

■ 23, 4.660, 323.919

Harmonies

Complementary

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



10, 40.773, 327.072



20, 40.420, 136.958

Rectangle

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



10, 40.773, 327.072



10, 40.773, 17.072



10, 40.773, 147.072



10, 40.773, 197.072

Sweetspot

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



10, 40.319, 327.021



26, 17.715, 324.894



3, 37.980, 298.659



11, 11.860, 324.947



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



10, 40.319, 327.021



15, 48.426, 326.961



9, 30.586, 352.028



9, 2.508, 323.837



20, 54.873, 326.927



51, 103.306, 326.819

Inverse Universe

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



8, 30.500, 23.272



13, 38.752, 29.829



20, 30.267, 150.357



9, 1.460, 16.848



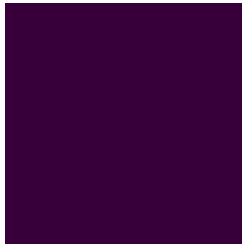
17, 45.422, 33.053



46, 91.859, 38.840

Previews

White Background



This preview shows how the CIELCh color 10, 40.773, 327.072 looks on a white background.

Color Contrast Check

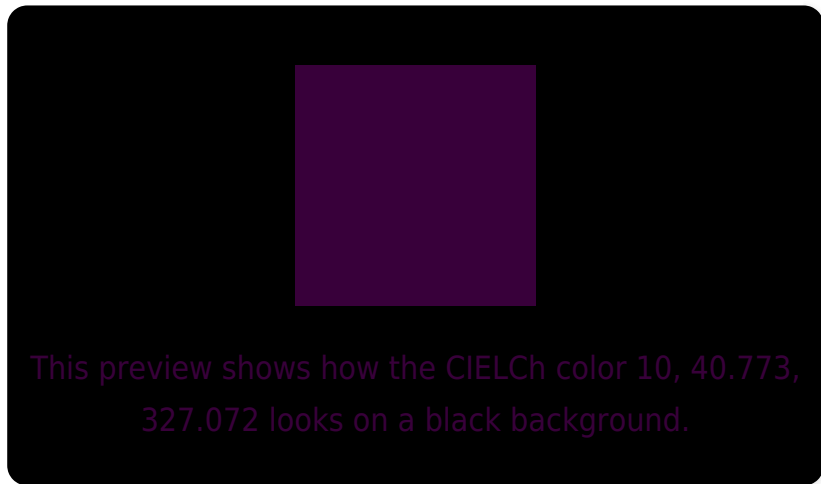
Large Text (above 18pt) WCAG AA ✓ Pass

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, 40.773, 327.072

Background



This preview shows how black text looks on a background with the CIELCh color 10, 40.773, 327.072.



This preview shows how white text looks on a background with the CIELCh color 10, 40.773, 327.072.

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, 40.327, 327.056

Protanopia

12, 25.797, 281.024

Deuteranopia

12, 16.436, 275.541



Tritanopia
12, 15.790, 22.002

Trichromacy



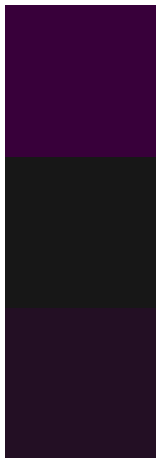
Original Color
10, 40.327, 327.056

Protanomaly
9, 31.663, 299.511

Deuteranomaly
10, 25.954, 305.505

Tritanomaly
11, 22.299, 347.420

Monochromacy



Original Color
10, 40.327, 327.056

Achromatopsia
8, 0.002, 296.812

Achromatomaly
7, 17.889, 325.343

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 40.773, 327.072 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(56, 0, 58)` looks like.

```
.text, #text, p{  
    color:rgb(56, 0, 58)  
}
```

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(56, 0, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 0, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 40.773, 327.072 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(56, 0, 58) }
```

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

```
.border{ border-color:rgb(56, 0, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 0, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 0, 58); -webkit-box-shadow:4px  
4px 4px 4px rgb(56, 0, 58); box-shadow:4px  
4px 4px 4px rgb(56, 0, 58) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 40.773, 327.072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 0, 58) }
```

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

```
.background{ background-color: rgb(56, 0,  
58) }
```

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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