

Converting Colors

CIELCh(10, 33.552, 339.901)

Have a look what the booklet for
CIELCh(10, 33.552, 339.901)
contains.

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Color

CIELCh(10, 33.781, 339.585)

Conversions

Conversions Part 1

Format	Color
Hex	3B012C
RGB	59, 1, 44
RGB Percent	23%, 0%, 17%
CMY	0.7692, 0.9965, 0.8279
CMYK	0.00, 0.98, 0.25, 0.77
HSL	316°, 97%, 12%
HSV	316°, 98%, 23%
XYZ	2.2576, 1.1260, 2.4693
YIQ	23.2440, 20.7650, 25.6690

Conversions

Conversions Part 2

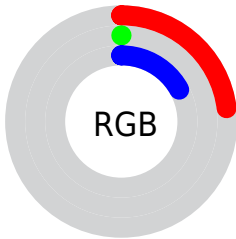
Format	Color
R_{YB}	59, 1, 44
Decimal	3866924
CIE _{Lab}	10.00, 31.66, -11.78
CIE _{LCh}	10, 33.781, 339.585
Yxy	1.1260, 0.3857, 0.1924
Android (android.graphics.Color)	4282057004 (0xFF3B012C)
YUV	23.2440, 10.2327, 31.3580
Hunter-Lab	10.6114, 19.4069, -6.3689

Details

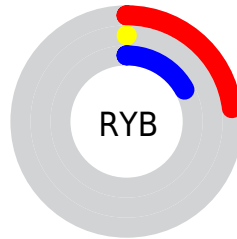
The CIELCh color **10, 33.781, 339.585** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **21, 35.353, 143.109**, and the grayscale version is **8, 0.002, 296.812**.

A 20% lighter version of the original color is **30, 33.875, 339.350**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **10, 34.192, 339.694**, and if you desaturate by 10%, it is **11, 31.273, 338.806**.

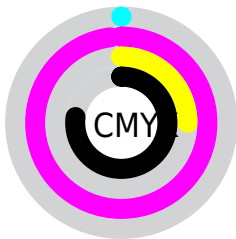
Distribution



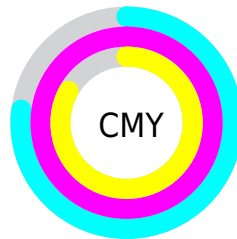
- Red (23%)
- Green (0%)
- Blue (17%)



- Red (23%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (98%)
- Yellow (25%)
- Black (77%)



- Cyan (77%)
- Magenta (100%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 33.781, 339.585 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, 33.781, 339.585 by changing the saturation by 10% instead.

■ 10, 33.781,
339.585

■ 10, 33.781,
339.585

■ 100, 33.781,
339.585

■ 0, 33.781, 339.585

■ 30, 33.781,
339.585

■ 40, 33.781,
339.585


■ 50, 33.781,
339.585


■ 60, 33.781,
339.585


■ 70, 33.781,
339.585


■ 80, 33.781,


339.585


 90, 33.781,
339.585


 10, 33.781,
339.585


 10, 33.781,
339.585


 10, 34.192,
339.694

 11, 31.273,
338.806

 12, 28.974,
337.926

 13, 26.190,
337.101

 15, 22.911,
336.341

 16, 19.276,
335.630

■ 18, 15.413,
334.958

■ 19, 11.426,
334.317

■ 21, 7.394, 333.701

■ 23, 3.373, 333.096

Harmonies

Complementary

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



10, 33.781, 339.585



21, 35.353, 143.109

Rectangle

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



10, 33.781, 339.585



10, 33.781, 29.585



10, 33.781, 159.585



10, 33.781, 209.585

Sweetspot

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



10, 33.780, 339.585



26, 14.981, 334.501



4, 40.415, 305.519



11, 10.031, 334.579



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, 33.780, 339.585



15, 40.360, 340.368



9, 29.449, 14.293



10, 2.282, 333.097



19, 46.376, 340.835



50, 85.233, 342.148

Inverse Universe

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



10, 33.780, 339.585



15, 40.360, 340.368



21, 22.111, 169.297



10, 2.282, 333.097



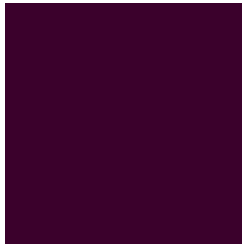
19, 46.376, 340.835



50, 85.233, 342.148

Previews

White Background



This preview shows how the CIELCh color 10, 33.781, 339.585 looks on a white background.

Color Contrast Check

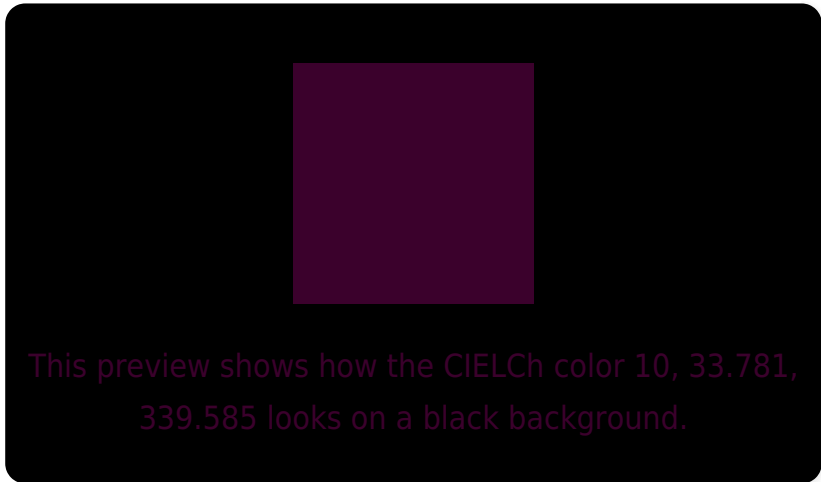
Large Text (above 18pt) WCAG AA ✓ Pass

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

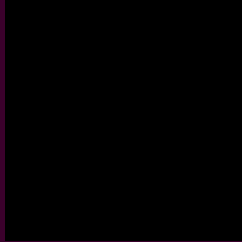
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 33.781, 339.585

Background



This preview shows how black text looks on a background with the CIELCh color 10, 33.781, 339.585.



This preview shows how white text looks on a background with the CIELCh color 10, 33.781, 339.585.

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, 33.781, 339.585

Protanopia

12, 22.662, 283.352

Deuteranopia

12, 7.256, 288.830



Tritanopia
11, 22.030, 24.984

Trichromacy



Original Color
10, 33.781, 339.585

Protanomaly
9, 26.050, 305.581

Deuteranomaly
10, 18.285, 323.961

Tritanomaly
11, 24.498, 4.605

Monochromacy



Original Color
10, 33.781, 339.585

Achromatopsia
8, 0.002, 296.812

Achromatomaly
7, 15.360, 334.999

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 33.781, 339.585 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(59, 1, 44)` looks like.

```
.text, #text, p{  
    color:rgb(59, 1, 44)  
}
```

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(59, 1, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 1, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 33.781, 339.585 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(59, 1, 44) }
```

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

```
.border{ border-color:rgb(59, 1, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 1, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 1, 44); -webkit-box-shadow:4px  
4px 4px 4px rgb(59, 1, 44); box-shadow:4px  
4px 4px 4px rgb(59, 1, 44) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 33.781, 339.585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 1, 44) }
```

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

```
.background{ background-color: rgb(59, 1,  
44) }
```

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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