

Converting Colors

CIELCh(10, 34.328, 349.541)

Have a look what the booklet for
CIELCh(10, 34.328, 349.541)
contains.

CIELCh(10, 32.711, 349.802)	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, 32.711, 349.802)

Conversions

Conversions Part 1

Format	Color
Hex	3E0024
RGB	62, 0, 36
RGB Percent	24%, 0%, 14%
CMY	0.7576, 1.0000, 0.8589
CMYK	0.00, 1.00, 0.42, 0.76
HSL	325°, 100%, 12%
HSV	325°, 100%, 24%
XYZ	2.2829, 1.1260, 1.7653
YIQ	22.6420, 25.3960, 24.3400

Conversions

Conversions Part 2

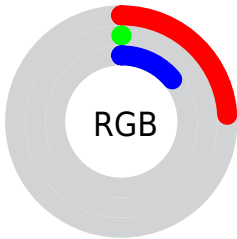
Format	Color
R_{YB}	62, 0, 36
Decimal	4063268
CIE _{Lab}	10.00, 32.19, -5.79
CIE _{LCh}	10, 32.711, 349.802
Yxy	1.1260, 0.4412, 0.2176
Android (android.graphics.Color)	4282253348 (0xFF3E0024)
YUV	22.6420, 6.5855, 34.5170
Hunter-Lab	10.6114, 19.8326, -2.4353

Details

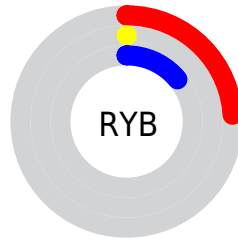
The CIELCh color **10, 32.711, 349.802** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **22, 32.688, 148.615**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **30, 32.491, 350.594**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **10, 32.252, 350.053**, and if you desaturate by 10%, it is **11, 29.843, 348.696**.

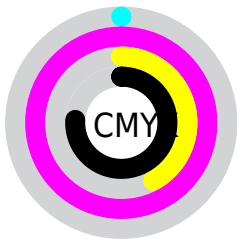
Distribution



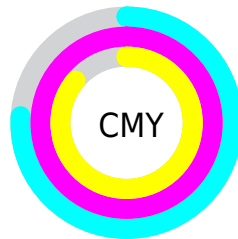
- Red (24%)
- Green (0%)
- Blue (14%)



- Red (24%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (42%)
- Black (76%)



- Cyan (76%)
- Magenta (100%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 32.711, 349.802 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, 32.711, 349.802 by changing the saturation by 10% instead.

■ 10, 32.711,
349.802

■ 10, 32.711,
349.802

■ 100, 32.711,
349.802

■ 0, 32.711, 349.802

■ 30, 32.711,
349.802

■ 40, 32.711,
349.802


■ 50, 32.711,
349.802


■ 60, 32.711,
349.802


■ 70, 32.711,
349.802


■ 80, 32.711,

349.802


 90, 32.711,
349.802

 10, 32.711,
349.802


 10, 32.711,
349.802

 10, 32.252,
350.053

 11, 29.843,
348.696

 12, 27.709,
347.110

 14, 25.137,
345.686

 15, 22.068,
344.470

 17, 18.646,
343.409

■ 18, 15.006,
342.465

■ 20, 11.253,
341.612

■ 22, 7.467, 340.828

■ 24, 3.705, 340.089

Harmonies

Complementary

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



10, 32.711, 349.802



22, 32.688, 148.615

Rectangle

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



10, 32.711, 349.802



10, 32.711, 39.802



10, 32.711, 169.802



10, 32.711, 219.802

Sweetspot

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



10, 32.252, 350.053



27, 14.189, 341.727



5, 43.551, 310.402



11, 9.518, 341.849



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, 32.252, 350.053



15, 38.496, 351.486



9, 31.879, 23.024



10, 2.037, 339.972



19, 42.395, 352.142



48, 77.931, 354.874

Inverse Universe

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



10, 32.252, 350.053



15, 38.496, 351.486



23, 19.413, 185.814



10, 2.037, 339.972



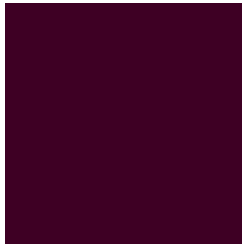
19, 42.395, 352.142



48, 77.931, 354.874

Previews

White Background



This preview shows how the CIELCh color 10, 32.711, 349.802 looks on a white background.

Color Contrast Check

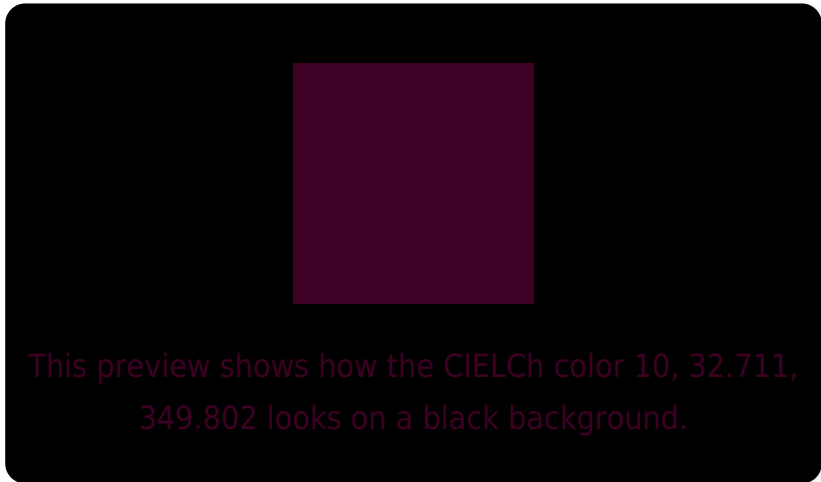
Large Text (above 18pt) WCAG AA ✓ Pass

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

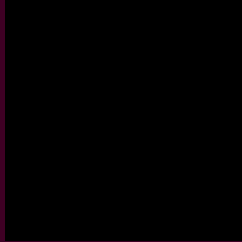
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 32.711, 349.802

Background



This preview shows how black text looks on a background with the CIELCh color 10, 32.711, 349.802.



This preview shows how white text looks on a background with the CIELCh color 10, 32.711, 349.802.

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, 32.291, 350.194

Protanopia

13, 14.550, 283.819

Deuteranopia

13, 1.667, 354.210



Tritanopia
12, 25.681, 26.340

Trichromacy



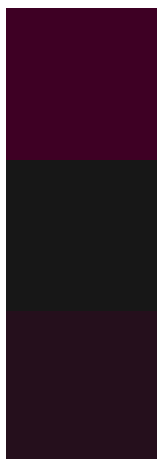
Original Color
10, 32.291, 350.194

Protanomaly
10, 20.461, 317.438

Deuteranomaly
10, 15.619, 344.836

Tritanomaly
11, 26.532, 11.785

Monochromacy



Original Color
10, 32.291, 350.194

Achromatopsia
8, 0.002, 296.812

Achromatomaly
7, 14.326, 343.266

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 32.711, 349.802 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(62, 0, 36)` looks like.

```
.text, #text, p{  
    color:rgb(62, 0, 36)  
}
```

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(62, 0, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 0, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 32.711, 349.802 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(62, 0, 36) }
```

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

```
.border{ border-color:rgb(62, 0, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 0, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 0, 36); -webkit-box-shadow:4px  
4px 4px 4px rgb(62, 0, 36); box-shadow:4px  
4px 4px 4px rgb(62, 0, 36) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 32.711, 349.802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 0, 36) }
```

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

```
.background{ background-color: rgb(62, 0,  
36) }
```

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