Converting Colors

CIELCh(8, 37.501, 350.412)

Have a look what the booklet for CIELCh(8, 37.501, 350.412) contains.

CIELCh(10, 31.442, 353.029) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 12
- ***Previews*** 21
- ***Color Blindness Simulation*** 24
- ***CSS Examples*** 27

Color

CIELCh(10, 31.442, 353.029)

Conversions

Format	Color
Hex	3D0021
RGB	61, 0, 33
RGB Percent	24%, 0%, 13%
CMY	0.7590, 0.9987, 0.8691
CMYK	0.00, 0.99, 0.46, 0.76
HSL	328°, 99%, 12%
HSV	328°, 99%, 24%
XYZ	2.2365, 1.1260, 1.5666
YIQ	22.0010, 25.7630, 23.1950

Conversions Part 1

Conversions

Conversions Part 2

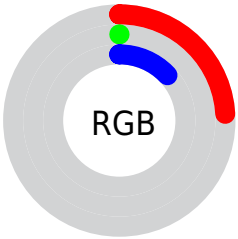
Format	Color
RYB	61, 0, 33
Decimal	3997729
CIELab	10.00, 31.21, -3.82
CIELCh	10, 31.442, 353.029
Yxy	1.1260, 0.4537, 0.2284
Android (android.graphics.Color)	4282187809 (0xFF3D0021)
YUV	22.0010, 5.4225, 34.2021
Hunter-Lab	10.6114, 19.0516, -1.3250

Details

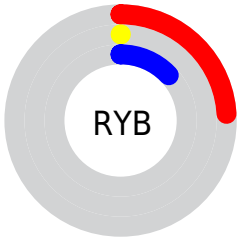
The CIELCh color 10, 31.442, 353.029 is a dark color, and the websafe version is hex 330000. A complement of this color would be 22, 31.197, 150.571, and the grayscale version is 7, 0.002, 296.812.

A 20% lighter version of the original color is 30, 31.479, 353.134, and 0, 0.000, 0.000 is the 20% darker color. If you saturate the color by 10%, you get 10, 31.584, 353.104, and if you desaturate by 10%, it is 11, 29.032, 351.503.

Distribution

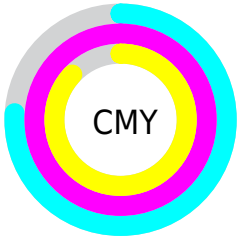


- Red (24%)
- Green (0%)
- Blue (13%)



- Red (24%)
- Yellow (0%)
- Blue (13%)

- Cyan (0%)
- Magenta (99%)
- Yellow (46%)
- Black (76%)



- Cyan (76%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 31.442, 353.029 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, 31.442, 353.029 by changing the saturation by 10% instead.

10, 31.442, 353.029

10, 31.442, 353.029

100, 31.442, 353.029

0, 31.442, 353.029

30, 31.442, 353.029

40, 31.442, 353.029

50, 31.442, 353.029

60, 31.442, 353.029

70, 31.442, 353.029

80, 31.442,

353.029

90, 31.442, 353.029

10, 31.442, 353.029

10, 31.584, 353.104

10, 31.442, 353.029

11, 29.032, 351.503

12, 26.894, 349.715

13, 24.320, 348.137

15, 21.279, 346.802

17, 17.915, 345.651

18, 14.355, 344.638

20, 10.700, 343.731

22, 7.026, 342.905

24, 3.384, 342.131

Harmonies

Complementary

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

10, 31.442, 353.029

22, 31.197, 150.571

Rectangle

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

10, 31.442, 353.029

10, 31.442, 43.029

10, 31.442, 173.029

10, 31.442, 223.029

Sweetspot

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

10, 31.440, 353.030

26, 13.452, 343.891

5, 43.173, 311.292

11, 9.266, 344.034

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, 31.440, 353.030

15, 37.078, 354.621

9, 31.793, 24.303

10, 1.978, 342.051

19, 41.712, 355.555

48, 76.860, 358.701

Inverse Universe

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

10, 31.440, 353.030

15, 37.078, 354.621

23, 18.736, 189.913

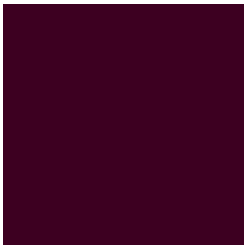
10, 1.978, 342.051

19, 41.712, 355.555

48, 76.860, 358.701

Previews

White Background

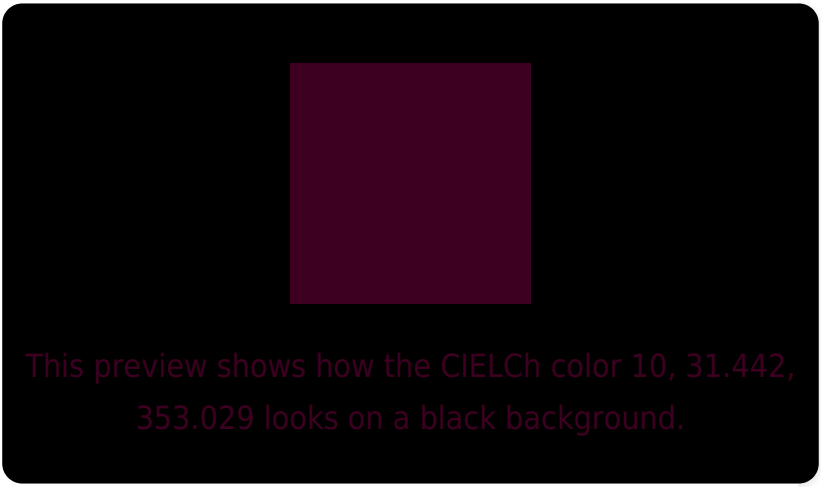


This preview shows how the CIELCh color 10, 31.442, 353.029 looks on a white background.

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

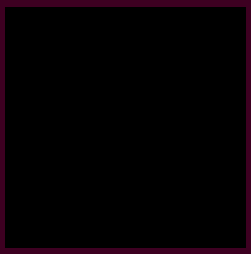


Color Contrast Check

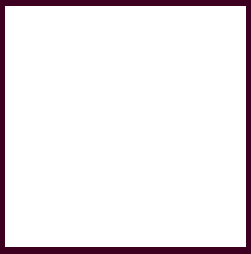
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 10, 31.442, 353.029 Background



This preview shows how black text looks on a background with the CIELCh color 10, 31.442, 353.029.



This preview shows how white text looks on a background with the CIELCh color 10, 31.442, 353.029.

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, 31.442, 353.029

Protanopia
12, 11.651, 283.541

Deuteranopia
12, 2.547, 20.027

Tritanopia
11, 25.807, 27.117

Trichromacy

Original Color
10, 31.442, 353.029

Protanomaly
10, 18.877, 322.810

Deuteranomaly
10, 14.940, 349.542

Tritanomaly
11, 27.119, 15.387

Monochromacy

Original Color
10, 31.442, 353.029

Achromatopsia
7, 0.002, 296.812

Achromatomaly
7, 13.805, 346.020

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 31.442, 353.029 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(61, 0, 33) looks like.

```
.text, #text, p{
    color:rgb(61, 0, 33)
}
```

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(61, 0, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 0, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 31.442, 353.029 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(61, 0, 33) }
```

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

```
.border{ border-color:rgb(61, 0, 33) }
```

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

Here you see how a box with a 4 pixel rgb(61, 0, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(61, 0, 33); -webkit-box-shadow:4px 4px 4px 4px rgb(61, 0, 33); box-shadow:4px 4px 4px 4px rgb(61, 0, 33) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 31.442, 353.029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(61, 0, 33) }
```

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

```
.background{ background-color:rgb(61, 0,
33) }
```

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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