

Converting Colors

CIELCh(7, 37.486, 323.267)

Have a look what the booklet for
CIELCh(7, 37.486, 323.267) contains.

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Color

CIELCh(7, 37.766, 323.150)

Conversions

Conversions Part 1

Format	Color
Hex	2C0034
RGB	44, 0, 52
RGB Percent	17%, 0%, 20%
CMY	0.8281, 1.0000, 0.7967
CMYK	0.15, 1.00, 0.00, 0.80
HSL	291°, 100%, 10%
HSV	291°, 100%, 20%
XYZ	1.6459, 0.7749, 3.2917
YIQ	19.0840, 9.5320, 25.5000

Conversions

Conversions Part 2

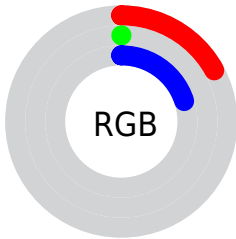
Format	Color
RYB	44, 0, 52
Decimal	2883636
CIELab	7.00, 30.22, -22.65
CIELCh	7, 37.766, 323.150
Yxy	0.7749, 0.2881, 0.1357
Android (android.graphics.Color)	4281073716 (0xFF2C0034)
YUV	19.0840, 16.2276, 21.8513
Hunter-Lab	8.8031, 17.9693, -16.0081

Details

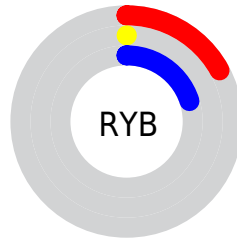
The CIELCh color **7, 37.766, 323.150** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **18, 35.929, 136.019**, and the grayscale version is **6, 0.002, 296.812**.

A 20% lighter version of the original color is **27, 37.584, 323.022**, and **0, 0.403, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **7, 37.671, 323.131**, and if you desaturate by 10%, it is **8, 34.346, 322.931**.

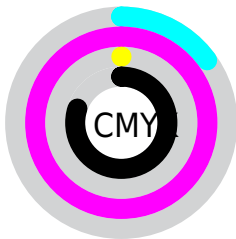
Distribution



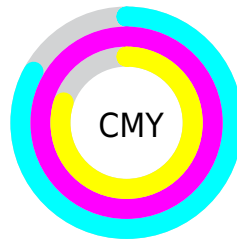
- Red (17%)
- Green (0%)
- Blue (20%)



- Red (17%)
- Yellow (0%)
- Blue (20%)



- Cyan (15%)
- Magenta (100%)
- Yellow (0%)
- Black (80%)



- Cyan (83%)
- Magenta (100%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 7, 37.766, 323.150 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 7, 37.766, 323.150 by changing the saturation by 10% instead.


 7, 37.766, 323.150


 7, 37.766, 323.150


 97, 37.766,
323.150


 0, 37.766, 323.150


 27, 37.766,
323.150

 37, 37.766,
323.150

 47, 37.766,
323.150

 57, 37.766,
323.150

 67, 37.766,
323.150

 77, 37.766,
323.150

87, 37.766,
323.150

7, 37.766, 323.150

7, 37.766, 323.150

7, 37.671, 323.131

8, 34.346, 322.931

9, 31.269, 322.768

10, 28.072,
322.600

12, 24.471,
322.349

13, 20.590,
322.039

15, 16.537,
321.688

16, 12.397,

321.312

■ 18, 8.233, 320.922

■ 20, 4.092, 320.523

Harmonies

Complementary

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



7, 37.766, 323.150



18, 35.929, 136.019

Rectangle

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



7, 37.766, 323.150



7, 37.766, 13.150



7, 37.766, 143.150



7, 37.766, 193.150

Sweetspot

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



7, 37.671, 323.131



22, 15.245, 321.368



4, 30.403, 293.619



9, 10.175, 321.394



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



7, 37.671, 323.131



11, 44.411, 322.973



8, 30.262, 343.601



8, 2.227, 320.448



17, 54.342, 322.736



46, 103.550, 322.280

Inverse Universe

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



7, 27.154, 15.662



10, 33.291, 21.775



18, 30.776, 146.131



8, 1.371, 7.287



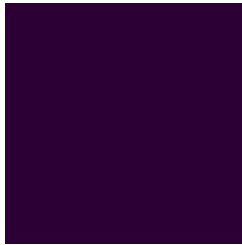
16, 42.437, 27.427



45, 85.229, 33.240

Previews

White Background



This preview shows how the CIELCh color 7, 37.766, 323.150 looks on a white background.

Color Contrast Check

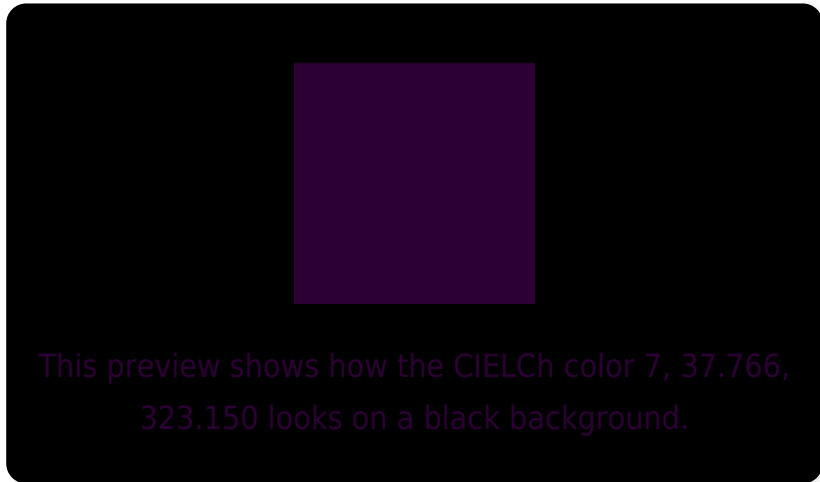
Large Text (above 18pt) WCAG AA ✓ Pass

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

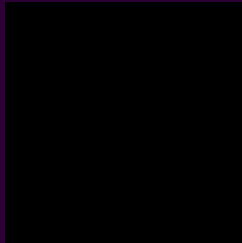
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 7, 37.766, 323.150

Background



This preview shows how black text looks on a background with the CIELCh color 7, 37.766, 323.150.



This preview shows how white text looks on a background with the CIELCh color 7, 37.766, 323.150.

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

7, 37.766, 323.150

Protanopia

9, 22.110, 279.704

Deuteranopia

9, 16.385, 265.266



Tritanopia
9, 10.995, 15.563

Trichromacy



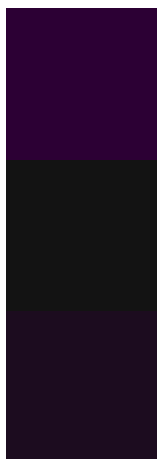
Original Color
7, 37.766, 323.150

Protanomaly
7, 27.687, 298.871

Deuteranomaly
7, 24.000, 297.015

Tritanomaly
8, 19.178, 337.924

Monochromacy



Original Color
7, 37.766, 323.150

Achromatopsia
6, 0.002, 296.812

Achromatomaly
5, 14.820, 320.458

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 7, 37.766, 323.150 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(44, 0, 52)` looks like.

```
.text, #text, p{  
    color:rgb(44, 0, 52)  
}
```

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(44, 0, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 0, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 7, 37.766, 323.150 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(44, 0, 52) }
```

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

```
.border{ border-color:rgb(44, 0, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 0, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 0, 52); -webkit-box-shadow:4px  
4px 4px 4px rgb(44, 0, 52); box-shadow:4px  
4px 4px 4px rgb(44, 0, 52) }
```

Background

The CSS property to change the background color of an element to CIELCh 7, 37.766, 323.150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 0, 52) }
```

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

```
.background{ background-color: rgb(44, 0,  
52) }
```

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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