

Converting Colors

CIELCh(7, 28.947, 311.701)

Have a look what the booklet for
CIELCh(7, 28.947, 311.701) contains.

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Color

CIELCh(7, 28.665, 312.070)

Conversions

Conversions Part 1

Format	Color
Hex	1F0C32
RGB	31, 12, 50
RGB Percent	12%, 5%, 20%
CMY	0.8791, 0.9538, 0.8047
CMYK	0.38, 0.76, 0.00, 0.80
HSL	270°, 62%, 12%
HSV	270°, 76%, 20%
XYZ	1.2603, 0.7749, 3.0793
YIQ	22.0130, -0.8740, 15.8460

Conversions

Conversions Part 2

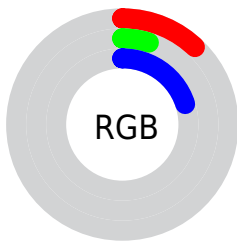
Format	Color
RYB	31, 12, 50
Decimal	2034738
CIELab	7.00, 19.21, -21.28
CIELCh	7, 28.665, 312.070
Yxy	0.7749, 0.2464, 0.1515
Android (android.graphics.Color)	4280224818 (0xFF1F0C32)
YUV	22.0130, 13.7976, 7.8816
Hunter-Lab	8.8031, 10.1496, -14.5772

Details

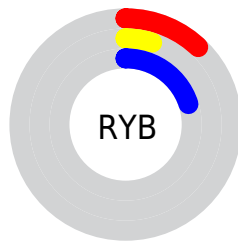
The CIELCh color **7, 28.665, 312.070** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **18, 25.993, 126.742**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **27, 28.546, 311.852**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **6, 31.342, 311.638**, and if you desaturate by 10%, it is **9, 25.170, 311.891**.

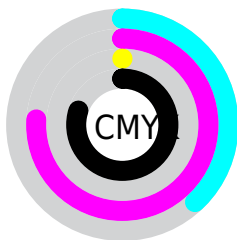
Distribution



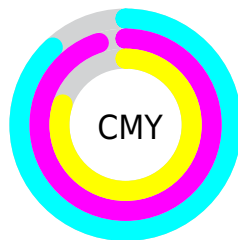
- Red (12%)
- Green (5%)
- Blue (20%)



- Red (12%)
- Yellow (5%)
- Blue (20%)



- Cyan (38%)
- Magenta (76%)
- Yellow (0%)
- Black (80%)



- Cyan (88%)
- Magenta (95%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 7, 28.665, 312.070 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, 28.665, 312.070 by changing the saturation by 10% instead.

■ 7, 28.665, 312.070

■ 7, 28.665, 312.070

■ 97, 28.665,
312.070

■ 0, 28.665, 312.070

■ 27, 28.665,
312.070

■ 37, 28.665,
312.070

■ 47, 28.665,
312.070

■ 57, 28.665,
312.070

■ 67, 28.665,
312.070

■ 77, 28.665,
312.070

87, 28.665,
312.070

7, 28.665, 312.070

7, 28.665, 312.070

6, 31.342, 311.638

9, 25.170, 311.891

4, 33.791, 311.013

10, 21.338,
311.468

4, 34.641, 310.746

12, 17.450,
311.019

14, 13.570,
310.567

16, 9.736, 310.127

18, 5.972, 309.708

20, 2.292, 309.308

■ 21, 1.298, 129.004

■ 23, 4.796, 128.652

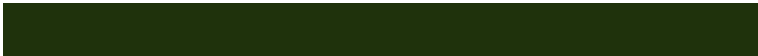
Harmonies

Complementary

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



7, 28.665, 312.070



18, 25.993, 126.742

Rectangle

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



7, 28.665, 312.070



7, 28.665, 2.070



7, 28.665, 132.070



7, 28.665, 182.070

Sweetspot

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



7, 28.665, 312.070



22, 10.432, 310.034



11, 14.865, 269.183



9, 7.307, 310.079



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, 28.665, 312.070



7, 41.697, 312.753



10, 29.637, 327.568



8, 2.040, 309.381



11, 57.566, 312.743



34, 110.483, 311.796

Inverse Universe

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



9, 21.725, 351.399



11, 29.890, 355.193



17, 29.815, 139.292



8, 1.641, 344.198



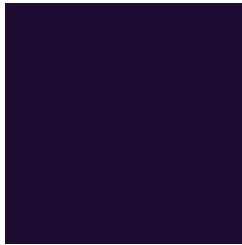
17, 39.688, 358.773



47, 74.895, 2.576

Previews

White Background



This preview shows how the CIELCh color 7, 28.665, 312.070 looks on a white background.

Color Contrast Check

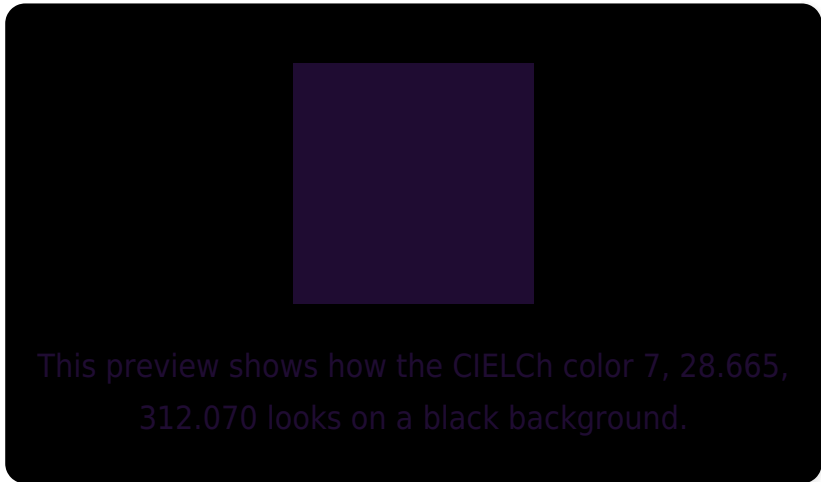
Large Text (above 18pt) WCAG AA ✓ Pass

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

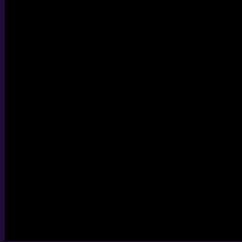
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 7, 28.665, 312.070

Background



This preview shows how black text looks on a background with the CIELCh color 7, 28.665, 312.070.



This preview shows how white text looks on a background with the CIELCh color 7, 28.665, 312.070.

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, 28.665, 312.070

Protanopia

7, 18.772, 275.908

Deuteranopia

7, 14.368, 263.673



Tritanopia
8, 1.722, 354.462

Trichromacy



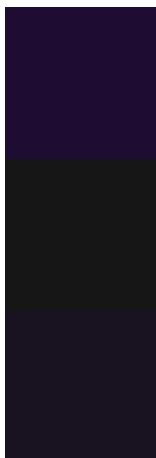
Original Color
7, 28.665, 312.070

Protanomaly
6, 21.759, 291.338

Deuteranomaly
6, 18.824, 288.047

Tritanomaly
7, 12.001, 313.591

Monochromacy



Original Color
7, 28.665, 312.070

Achromatopsia
7, 0.002, 296.812

Achromatomaly
7, 10.920, 309.810

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 7, 28.665, 312.070 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(31, 12, 50)` looks like.

```
.text, #text, p{  
    color:rgb(31, 12, 50)  
}
```

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(31, 12, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 12, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 7, 28.665, 312.070 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(31, 12, 50) }
```

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

```
.border{ border-color:rgb(31, 12, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 12, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 12, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 12, 50);  
box-shadow:4px 4px 4px 4px rgb(31, 12, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 7, 28.665, 312.070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 12, 50) }
```

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

```
.background{ background-color: rgb(31, 12,  
50) }
```

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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