

Converting Colors

CIELCh(7, 29.923, 311.667)

Have a look what the booklet for
CIELCh(7, 29.923, 311.667) contains.

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Color

CIELCh(7, 29.967, 312.114)

Conversions

Conversions Part 1

Format	Color
Hex	1F0B33
RGB	31, 11, 51
RGB Percent	12%, 4%, 20%
CMY	0.8781, 0.9564, 0.7996
CMYK	0.39, 0.78, 0.00, 0.80
HSL	270°, 64%, 12%
HSV	270°, 78%, 20%
XYZ	1.2889, 0.7749, 3.2257
YIQ	21.5400, -0.9200, 16.6800

Conversions

Conversions Part 2

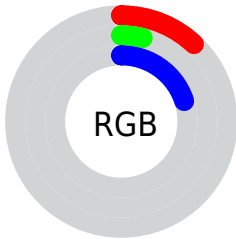
Format	Color
RYB	31, 11, 51
Decimal	2034483
CIELab	7.00, 20.10, -22.23
CIELCh	7, 29.967, 312.114
Yxy	0.7749, 0.2437, 0.1465
Android (android.graphics.Color)	4280224563 (0xFF1F0B33)
YUV	21.5400, 14.5238, 8.2964
Hunter-Lab	8.8031, 10.7302, -15.5635

Details

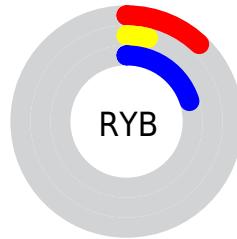
The CIELCh color **7, 29.967, 312.114** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **19, 27.079, 126.660**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **27, 29.879, 311.898**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **6, 32.724, 311.726**, and if you desaturate by 10%, it is **9, 26.443, 311.943**.

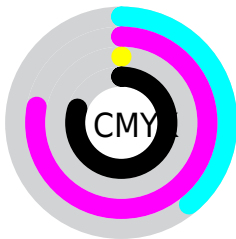
Distribution



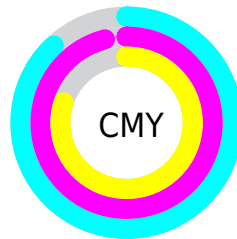
- Red (12%)
- Green (4%)
- Blue (20%)



- Red (12%)
- Yellow (4%)
- Blue (20%)



- Cyan (39%)
- Magenta (78%)
- Yellow (0%)
- Black (80%)



- Cyan (88%)
- Magenta (96%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 7, 29.967, 312.114 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, 29.967, 312.114 by changing the saturation by 10% instead.


 7, 29.967, 312.114


 7, 29.967, 312.114


 97, 29.967,
312.114


 0, 29.967, 312.114


 27, 29.967,
312.114

 37, 29.967,
312.114

 47, 29.967,
312.114

 57, 29.967,
312.114

 67, 29.967,
312.114

 77, 29.967,
312.114

87, 29.967,
312.114

7, 29.967, 312.114

7, 29.967, 312.114

6, 32.724, 311.726

9, 26.443, 311.943

4, 35.278, 311.162

10, 22.551,
311.527

4, 35.710, 311.046

12, 18.584,
311.078

14, 14.613,
310.621

16, 10.683,
310.174

18, 6.822, 309.748

20, 3.045, 309.343

■ 22, 0.641, 129.062

■ 24, 4.232, 128.667

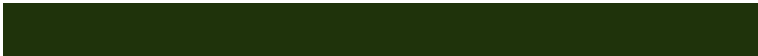
Harmonies

Complementary

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



7, 29.967, 312.114



19, 27.079, 126.660

Rectangle

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



7, 29.967, 312.114



7, 29.967, 2.114



7, 29.967, 132.114



7, 29.967, 182.114

Sweetspot

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



7, 29.967, 312.114



23, 10.779, 309.999



12, 15.165, 267.985



9, 7.306, 310.037



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, 29.967, 312.114



8, 43.874, 312.807



10, 30.733, 327.104



8, 2.039, 309.338



11, 57.581, 312.716



34, 110.512, 311.768

Inverse Universe

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



9, 22.600, 351.704



12, 31.197, 355.684



18, 30.903, 138.810



8, 1.643, 344.131



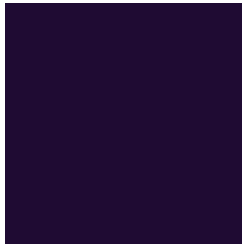
17, 39.700, 358.668



47, 74.908, 2.458

Previews

White Background



This preview shows how the CIELCh color 7, 29.967, 312.114 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, 29.967, 312.114

Background



This preview shows how black text looks on a background with the CIELCh color 7, 29.967, 312.114.



This preview shows how white text looks on a background with the CIELCh color 7, 29.967, 312.114.

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, 29.967, 312.114

Protanopia

7, 19.450, 277.203

Deuteranopia

7, 13.904, 260.352



Tritanopia
8, 2.155, 336.177

Trichromacy



Original Color

7, 29.967, 312.114

Protanomaly

6, 22.520, 291.936

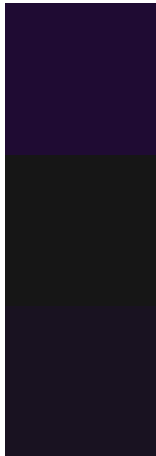
Deuteranomaly

6, 18.824, 288.047

Tritanomaly

7, 12.716, 312.499

Monochromacy



Original Color

7, 29.967, 312.114

Achromatopsia

7, 0.002, 296.812

Achromatomaly

7, 11.663, 308.897

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 7, 29.967, 312.114 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, 11, 51)` looks like.

```
.text, #text, p{  
    color:rgb(31, 11, 51)  
}
```

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, 11, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 11, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 7, 29.967, 312.114 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, 11, 51) }
```

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

```
.border{ border-color:rgb(31, 11, 51) }
```

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

Here you see how a box with a 4 pixel rgb(31, 11, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 11, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 11, 51);  
box-shadow:4px 4px 4px 4px rgb(31, 11, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 7, 29.967, 312.114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 11, 51) }
```

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

```
.background{ background-color: rgb(31, 11,  
51) }
```

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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