

Converting Colors

CIELCh(7, 47.863, 301.690)

Have a look what the booklet for
CIELCh(7, 47.863, 301.690) contains.

CIELCh(7, 47.930, 301.612)	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(7, 47.930, 301.612)

Conversions

Conversions Part 1

Format	Color
Hex	000B4D
RGB	0, 11, 77
RGB Percent	0%, 4%, 30%
CMY	1.0000, 0.9569, 0.6981
CMYK	1.00, 0.86, 0.00, 0.70
HSL	231°, 100%, 15%
HSV	231°, 100%, 30%
XYZ	1.4589, 0.7749, 7.0929
YIQ	15.2350, -27.7420, 18.1940

Conversions

Conversions Part 2

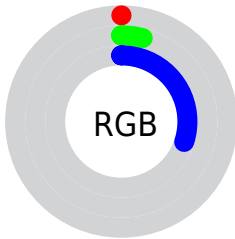
Format	Color
RYB	0, 10, 77
Decimal	2893
CIELab	7.00, 25.12, -40.82
CIELCh	7, 47.930, 301.612
Yxy	0.7749, 0.1564, 0.0831
Android (android.graphics.Color)	4278192973 (0xFF000B4D)
YUV	15.2350, 30.4501, -13.3611
Hunter-Lab	8.8031, 14.1773, -41.6095

Details

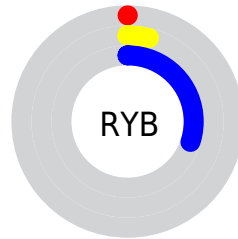
The CIELCh color **7, 47.930, 301.612** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **28, 37.093, 93.706**, and the grayscale version is **4, 0.001, 296.812**.

A 20% lighter version of the original color is **27, 47.866, 301.527**, and **1, 16.932, 288.878** is the 20% darker color. If you saturate the color by 10%, you get **7, 47.932, 301.614**, and if you desaturate by 10%, it is **9, 43.151, 299.804**.

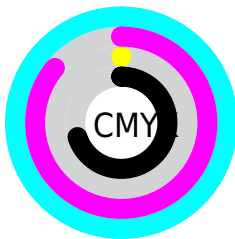
Distribution



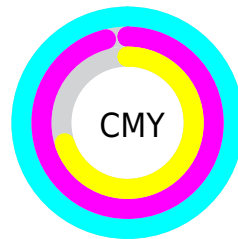
- Red (0%)
- Green (4%)
- Blue (30%)



- Red (0%)
- Yellow (4%)
- Blue (30%)



- Cyan (100%)
- Magenta (86%)
- Yellow (0%)
- Black (70%)



- Cyan (100%)
- Magenta (96%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 7, 47.930, 301.612 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, 47.930, 301.612 by changing the saturation by 10% instead.

■ 7, 47.930, 301.612

■ 7, 47.930, 301.612

■ 97, 47.930,
301.612

■ 0, 47.930, 301.612

■ 27, 47.930,
301.612

■ 37, 47.930,
301.612

■ 47, 47.930,
301.612

■ 57, 47.930,
301.612

■ 67, 47.930,
301.612

■ 77, 47.930,
301.612

■ 87, 47.930,
301.612

■ 7, 47.930, 301.612

■ 7, 47.930, 301.612

■ 7, 47.932, 301.614

■ 9, 43.151, 299.804

■ 11, 37.966,
297.346

■ 14, 32.729,
294.907

■ 16, 27.588,
292.636

■ 19, 22.602,
290.591

■ 22, 17.782,
288.788

■ 25, 13.124,
287.216

■ 27, 8.615, 285.853

■ 30, 4.245, 284.678

Harmonies

Complementary

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



7, 47.930, 301.612



28, 37.093, 93.706

Rectangle

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



7, 47.930, 301.612



7, 47.930, 351.612



7, 47.930, 121.612



7, 47.930, 171.612

Sweetspot

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



7, 47.931, 301.613



32, 16.248, 287.375



29, 24.138, 177.788



14, 11.218, 287.722



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



7, 47.931, 301.613



11, 59.191, 302.706



7, 53.251, 309.898



14, 2.352, 284.533



11, 60.410, 302.784



31, 115.261, 304.336

Inverse Universe

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



13, 37.736, 25.480



19, 46.577, 29.507



29, 43.196, 120.764



14, 1.943, 8.309



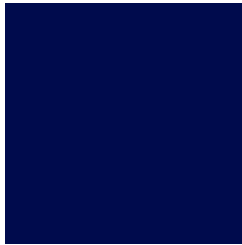
19, 47.544, 29.806



48, 89.829, 34.137

Previews

White Background



This preview shows how the CIELCh color 7, 47.930, 301.612 looks on a white background.

Color Contrast Check

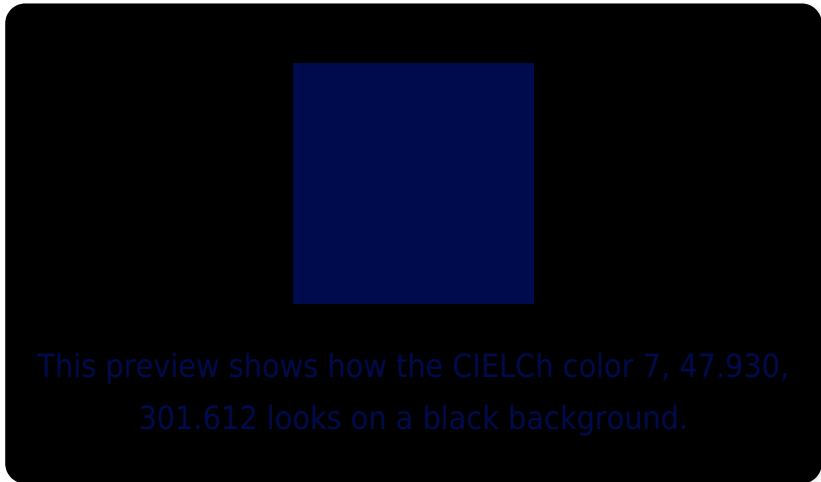
Large Text (above 18pt) WCAG AA ✓ Pass

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

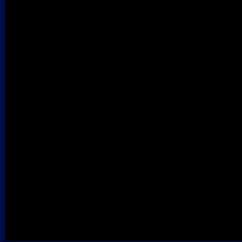
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 7, 47.930, 301.612

Background



This preview shows how black text looks on a background with the CIELCh color 7, 47.930, 301.612.



This preview shows how white text looks on a background with the CIELCh color 7, 47.930, 301.612.

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, 47.930, 301.612

Protanopia

8, 20.146, 277.145

Deuteranopia

8, 14.571, 261.242



Tritanopia
8, 9.922, 207.086

Trichromacy



Original Color
7, 47.930, 301.612

Protanomaly
7, 30.797, 291.931

Deuteranomaly
7, 26.472, 287.886

Tritanomaly
7, 19.390, 277.777

Monochromacy



Original Color
7, 47.930, 301.612

Achromatopsia
4, 0.001, 296.812

Achromatomaly
5, 17.191, 289.372

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 7, 47.930, 301.612 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(0, 11, 77)` looks like.

```
.text, #text, p{  
    color:rgb(0, 11, 77)  
}
```

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(0, 11, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 11, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 7, 47.930, 301.612 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(0, 11, 77) }
```

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

```
.border{ border-color:rgb(0, 11, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 11, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 11, 77); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 11, 77); box-shadow:4px  
4px 4px 4px rgb(0, 11, 77) }
```

Background

The CSS property to change the background color of an element to CIELCh 7, 47.930, 301.612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 11, 77) }
```

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

```
.background{ background-color: rgb(0, 11,  
77) }
```

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