

Converting Colors

CIELCh(13, 79.745, 306.546)

Have a look what the booklet for
CIELCh(13, 79.745, 306.546)
contains.

CIELCh(13, 79.536, 306.505)	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(13, 79.536, 306.505)

Conversions

Conversions Part 1

Format	Color
Hex	06007F
RGB	6, 0, 127
RGB Percent	2%, 0%, 50%
CMY	0.9781, 1.0000, 0.5025
CMYK	0.96, 1.00, 0.00, 0.50
HSL	243°, 100%, 25%
HSV	243°, 100%, 50%
XYZ	3.8905, 1.5625, 20.1280
YIQ	16.2720, -37.1910, 40.7690

Conversions

Conversions Part 2

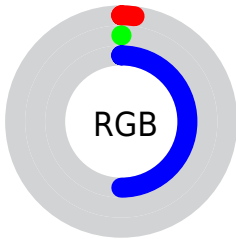
Format	Color
RYB	6, 0, 127
Decimal	393343
CIELab	13.00, 47.32, -63.93
CIELCh	13, 79.536, 306.505
Yxy	1.5625, 0.1521, 0.0611
Android (android.graphics.Color)	4278583423 (0xFF06007F)
YUV	16.2720, 54.5889, -9.0085
Hunter-Lab	12.5000, 33.6807, -86.7212

Details

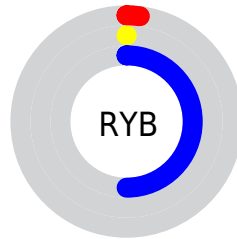
The CIELCh color **13, 79.536, 306.505** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **51, 57.845, 105.490**, and the grayscale version is **5, 0.001, 296.812**.

A 20% lighter version of the original color is **33, 79.257, 306.475**, and **5, 53.421, 304.725** is the 20% darker color. If you saturate the color by 10%, you get **13, 79.492, 306.491**, and if you desaturate by 10%, it is **15, 73.885, 305.238**.

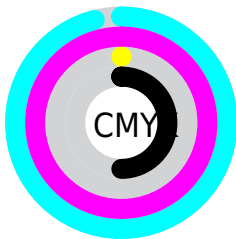
Distribution



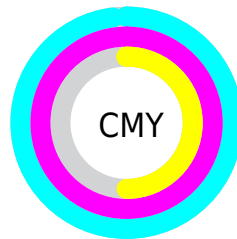
- Red (2%)
- Green (0%)
- Blue (50%)



- Red (2%)
- Yellow (0%)
- Blue (50%)



- Cyan (96%)
- Magenta (100%)
- Yellow (0%)
- Black (50%)





- Cyan (98%)
- Magenta (100%)
- Yellow (50%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 79.536, 306.505 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 13, 79.536, 306.505 by changing the saturation by 10% instead.

 13, 79.536,
306.505


 13, 79.536,
306.505


 100, 79.536,
306.505


 3, 79.536, 306.505


 33, 79.536,
306.505

 0, 79.536, 306.505

 43, 79.536,
306.505


 53, 79.536,
306.505


 63, 79.536,
306.505


 73, 79.536,
306.505


 83, 79.536,


306.505


 93, 79.536,
306.505


 13, 79.536,
306.505


 13, 79.536,
306.505


 13, 79.492,
306.491

 15, 73.885,
305.238

 18, 66.884,
303.755

 22, 58.429,
301.932

 26, 49.453,
300.029

 30, 40.483,
298.217

■ 35, 31.750,
296.579

■ 39, 23.335,
295.141

■ 44, 15.248,
293.898

■ 49, 7.479, 292.832

Harmonies

Complementary

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



13, 79.536, 306.505



51, 57.845, 105.490

Rectangle

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



13, 79.536, 306.505



13, 79.536, 356.505



13, 79.536, 126.505



13, 79.536, 176.505

Sweetspot

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



13, 79.492, 306.491



51, 29.079, 295.237



46, 28.570, 201.601



24, 20.139, 295.730



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



13, 79.492, 306.491



19, 96.694, 306.435



19, 73.611, 313.042



24, 4.226, 292.744



13, 79.782, 306.490



0, 0.000, 0.000

Inverse Universe

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



29, 66.614, 330.005



39, 80.891, 330.050



47, 65.369, 128.585



25, 4.951, 326.105



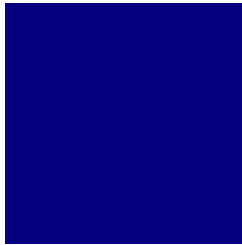
29, 66.854, 330.006



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 13, 79.536, 306.505 looks on a white background.

Color Contrast Check

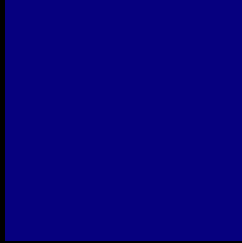
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 13, 79.536, 306.505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

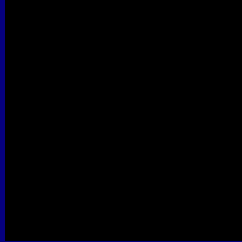
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 79.536, 306.505

Background



This preview shows how black text looks on a background with the CIELCh color 13, 79.536, 306.505.



This preview shows how white text looks on a background with the CIELCh color 13, 79.536, 306.505.

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

13, 79.536, 306.505

Protanopia

15, 29.368, 281.965

Deuteranopia

15, 20.237, 264.773



Tritanopia
15, 14.168, 202.312

Trichromacy



Original Color
13, 79.536, 306.505

Protanomaly
13, 50.595, 298.778

Deuteranomaly
12, 44.824, 296.765

Tritanomaly
11, 34.751, 291.461

Monochromacy



Original Color
13, 79.536, 306.505

Achromatopsia
5, 0.001, 296.812

Achromatomaly
5, 33.404, 300.641

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 79.536, 306.505 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(6, 0, 127)` looks like.

```
.text, #text, p{  
    color:rgb(6, 0, 127)  
}
```

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(6, 0, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 0, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 79.536, 306.505 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(6, 0, 127) }
```

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

```
.border{ border-color:rgb(6, 0, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 0, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 0, 127); -webkit-box-shadow:4px  
4px 4px 4px rgb(6, 0, 127); box-shadow:4px  
4px 4px 4px rgb(6, 0, 127) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 79.536, 306.505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 0, 127) }
```

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

```
.background{ background-color: rgb(6, 0,  
127) }
```

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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