

Converting Colors

CIELCh(5, 108.052, 314.111)

Have a look what the booklet for
CIELCh(5, 108.052, 314.111)
contains.

CIELCh(13, 79.255, 306.728)	3
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Color

CIELCh(13, 79.255, 306.728)

Conversions

Conversions Part 1

Format	Color
Hex	0A007E
RGB	10, 0, 126
RGB Percent	4%, 0%, 49%
CMY	0.9618, 1.0000, 0.5050
CMYK	0.92, 1.00, 0.00, 0.50
HSL	245°, 100%, 25%
HSV	245°, 100%, 50%
XYZ	3.8959, 1.5625, 19.9116
YIQ	17.3540, -34.4860, 41.3060

Conversions

Conversions Part 2

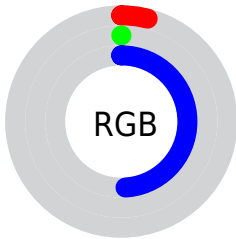
Format	Color
RYB	10, 0, 126
Decimal	655486
CIELab	13.00, 47.40, -63.52
CIElCh	13, 79.255, 306.728
Yxy	1.5625, 0.1536, 0.0616
Android (android.graphics.Color)	4278845566 (0xFF0A007E)
YUV	17.3540, 53.5625, -6.4495
Hunter-Lab	12.5000, 33.7586, -85.6945

Details

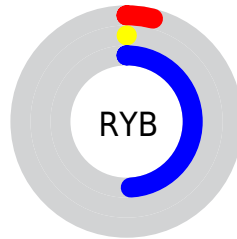
The CIELCh color **13, 79.255, 306.728** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **50, 57.789, 107.437**, and the grayscale version is **5, 0.002, 296.812**.

A 20% lighter version of the original color is **33, 78.683, 306.666**, and **5, 52.715, 304.559** is the 20% darker color. If you saturate the color by 10%, you get **13, 79.010, 306.646**, and if you desaturate by 10%, it is **15, 73.398, 305.491**.

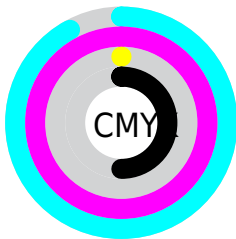
Distribution



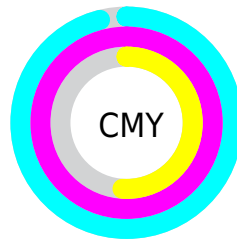
- Red (4%)
- Green (0%)
- Blue (49%)



- Red (4%)
- Yellow (0%)
- Blue (49%)



- Cyan (92%)
- Magenta (100%)
- Yellow (0%)
- Black (50%)



- Cyan (96%)
- Magenta (100%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 79.255, 306.728 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, 79.255, 306.728 by changing the saturation by 10% instead.

■ 13, 79.255,
306.728

■ 13, 79.255,
306.728

■ 100, 79.255,
306.728

■ 3, 79.255, 306.728

■ 33, 79.255,
306.728

■ 0, 79.255, 306.728

■ 43, 79.255,
306.728


■ 53, 79.255,
306.728


■ 63, 79.255,
306.728


■ 73, 79.255,
306.728


■ 83, 79.255,


306.728


 93, 79.255,
306.728

 13, 79.255,
306.728


 13, 79.255,
306.728


 13, 79.010,
306.646

 15, 73.398,
305.491

 18, 66.451,
304.156

 22, 58.091,
302.498

 26, 49.208,
300.757

 30, 40.312,
299.089

■ 35, 31.633,
297.573

■ 39, 23.257,
296.236

■ 44, 15.201,
295.074

■ 48, 7.457, 294.073

Harmonies

Complementary

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



13, 79.255, 306.728



50, 57.789, 107.437

Rectangle

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



13, 79.255, 306.728



13, 79.255, 356.728



13, 79.255, 126.728



13, 79.255, 176.728

Sweetspot

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



13, 79.010, 306.646



50, 28.734, 296.323



45, 27.391, 207.332



23, 19.639, 296.767



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



13, 79.010, 306.646



19, 95.411, 306.555



20, 72.839, 313.880



24, 4.231, 293.991



13, 79.588, 306.641



0, 0.000, 0.000

Inverse Universe

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



29, 64.729, 331.444



38, 77.948, 331.525



47, 65.788, 129.564



25, 4.840, 327.059



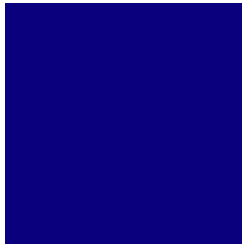
29, 65.195, 331.448



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 13, 79.255, 306.728 looks on a white background.

Color Contrast Check

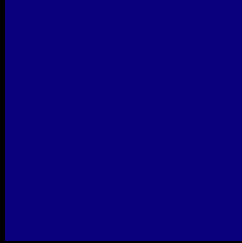
Large Text (above 18pt) WCAG AA ✓ Pass

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, 79.255, 306.728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

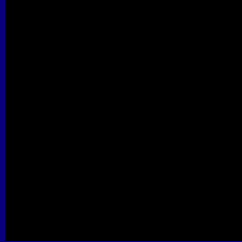
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 79.255, 306.728

Background



This preview shows how black text looks on a background with the CIELCh color 13, 79.255, 306.728.



This preview shows how white text looks on a background with the CIELCh color 13, 79.255, 306.728.

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, 78.893, 306.657

Protanopia

15, 29.368, 281.965

Deuteranopia

15, 20.237, 264.773



Tritanopia
15, 14.168, 202.312

Trichromacy



Original Color
13, 78.893, 306.657

Protanomaly
13, 50.547, 299.000

Deuteranomaly
12, 44.779, 297.056

Tritanomaly
11, 34.706, 291.944

Monochromacy



Original Color
13, 78.893, 306.657

Achromatopsia
5, 0.002, 296.812

Achromatomaly
6, 33.703, 301.395

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 79.255, 306.728 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(10, 0, 126)` looks like.

```
.text, #text, p{  
    color:rgb(10, 0, 126)  
}
```

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(10, 0, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 0, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 79.255, 306.728 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(10, 0, 126) }
```

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

```
.border{ border-color:rgb(10, 0, 126) }
```

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

Here you see how a box with a 4 pixel rgb(10, 0, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 0, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 0, 126);  
box-shadow:4px 4px 4px 4px rgb(10, 0, 126)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 79.255, 306.728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 0, 126) }
```

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

```
.background{ background-color: rgb(10, 0,  
126) }
```

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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