

Converting Colors

CIELCh(13, 79.260, 306.756)

Have a look what the booklet for
CIELCh(13, 79.260, 306.756)
contains.

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Color

CIELCh(13, 78.893, 306.657)

Conversions

Conversions Part 1

Format	Color
Hex	0A007E
RGB	10, 0, 126
RGB Percent	4%, 0%, 49%
CMY	0.9624, 1.0000, 0.5064
CMYK	0.92, 1.00, 0.00, 0.51
HSL	245°, 100%, 25%
HSV	245°, 100%, 49%
XYZ	3.8760, 1.5625, 19.7899
YIQ	17.3540, -34.4860, 41.3060

Conversions

Conversions Part 2

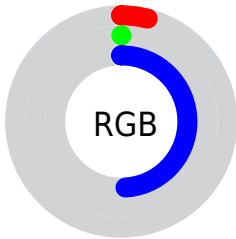
Format	Color
RYB	10, 0, 126
Decimal	655486
CIELab	13.00, 47.10, -63.29
CIELCh	13, 78.893, 306.657
Yxy	1.5625, 0.1536, 0.0619
Android (android.graphics.Color)	4278845566 (0xFF0A007E)
YUV	17.3540, 53.5625, -6.4495
Hunter-Lab	12.5000, 33.4736, -85.1174

Details

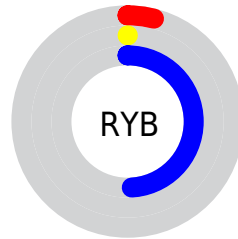
The CIELCh color **13, 78.893, 306.657** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **50, 57.665, 107.387**, and the grayscale version is **5, 0.001, 296.812**.

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, 78.849, 306.643**, and if you desaturate by 10%, it is **15, 73.236, 305.481**.

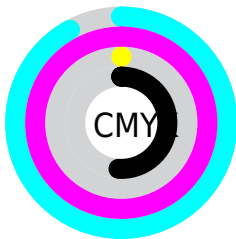
Distribution



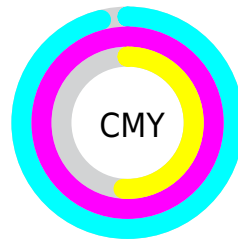
- Red (4%)
- Green (0%)
- Blue (49%)



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



- Cyan (92%)
- Magenta (100%)
- Yellow (0%)
- Black (51%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 78.893, 306.657 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, 78.893, 306.657 by changing the saturation by 10% instead.

■ 13, 78.893,
306.657

■ 13, 78.893,
306.657

■ 100, 78.893,
306.657

■ 3, 78.893, 306.657

■ 33, 78.893,
306.657

■ 0, 78.893, 306.657

■ 43, 78.893,
306.657

■ 53, 78.893,
306.657


■ 63, 78.893,
306.657


■ 73, 78.893,
306.657


■ 83, 78.893,


306.657


 93, 78.893,
306.657

 13, 78.893,
306.657


 13, 78.893,
306.657


 13, 78.849,
306.643

 15, 73.236,
305.481

 18, 66.300,
304.142

 22, 57.955,
302.480

 26, 49.092,
300.735

 30, 40.215,
299.065

■ 35, 31.557,
297.547

■ 39, 23.201,
296.207

■ 44, 15.165,
295.043

■ 48, 7.439, 294.042

Harmonies

Complementary

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



13, 78.893, 306.657



50, 57.665, 107.387

Rectangle

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



13, 78.893, 306.657



13, 78.893, 356.657



13, 78.893, 126.657



13, 78.893, 176.657

Sweetspot

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



13, 78.849, 306.643



50, 28.734, 296.295



45, 27.335, 207.329



23, 19.639, 296.740



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, 78.849, 306.643



19, 95.416, 306.552



19, 72.686, 313.883



24, 4.230, 293.960



13, 79.593, 306.638



0, 0.000, 0.000

Inverse Universe

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



29, 64.637, 331.406



38, 77.998, 331.487



47, 65.649, 129.559



25, 4.843, 327.035



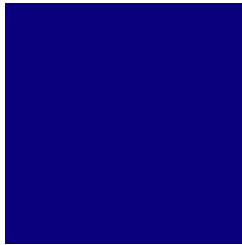
29, 65.236, 331.410



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 13, 78.893, 306.657 looks on a white background.

Color Contrast Check

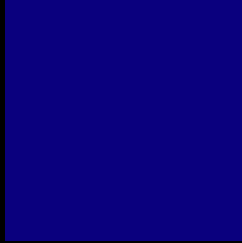
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.893, 306.657 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, 78.893, 306.657

Background



This preview shows how black text looks on a background with the CIELCh color 13, 78.893, 306.657.



This preview shows how white text looks on a background with the CIELCh color 13, 78.893, 306.657.

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, 28.727, 281.266

Deuteranopia

15, 20.760, 266.912



Tritanopia
15, 14.311, 199.317

Trichromacy



Original Color
13, 78.893, 306.657

Protanomaly
13, 49.952, 298.732

Deuteranomaly
12, 44.802, 296.911

Tritanomaly
11, 34.057, 291.305

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, 78.893, 306.657 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, 78.893, 306.657 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, 78.893, 306.657 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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