

Converting Colors

CIELCh(13, 78.416, 306.122)

Have a look what the booklet for
CIELCh(13, 78.416, 306.122)
contains.

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Color

CIELCh(13, 78.360, 306.100)

Conversions

Conversions Part 1

Format	Color
Hex	03027E
RGB	3, 2, 126
RGB Percent	1%, 1%, 49%
CMY	0.9894, 0.9925, 0.5063
CMYK	0.98, 0.98, 0.00, 0.51
HSL	240°, 97%, 25%
HSV	240°, 98%, 49%
XYZ	3.8134, 1.5625, 19.8026
YIQ	16.4350, -39.2080, 38.7760

Conversions

Conversions Part 2

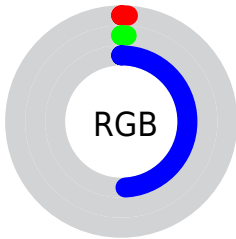
Format	Color
RYB	3, 2, 126
Decimal	197246
CIELab	13.00, 46.17, -63.31
CIELCh	13, 78.360, 306.100
Yxy	1.5625, 0.1515, 0.0621
Android (android.graphics.Color)	4278387326 (0xFF03027E)
YUV	16.4350, 54.0155, -11.7825
Hunter-Lab	12.5000, 32.5797, -85.1776

Details

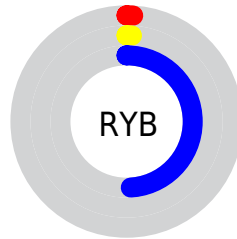
The CIELCh color **13, 78.360, 306.100** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **51, 57.077, 103.278**, and the grayscale version is **5, 0.001, 296.812**.

A 20% lighter version of the original color is **33, 78.235, 305.992**, and **5, 52.715, 304.559** is the 20% darker color. If you saturate the color by 10%, you get **13, 79.278, 306.317**, and if you desaturate by 10%, it is **15, 72.709, 304.766**.

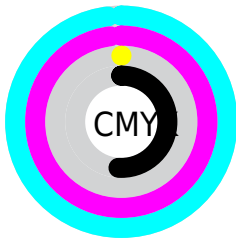
Distribution



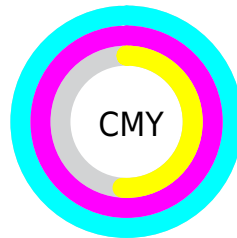
- Red (1%)
- Green (1%)
- Blue (49%)



- Red (1%)
- Yellow (1%)
- Blue (49%)



- Cyan (98%)
- Magenta (98%)
- Yellow (0%)
- Black (51%)





- Cyan (99%)
- Magenta (99%)
- Yellow (51%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 78.360, 306.100 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, 78.360, 306.100 by changing the saturation by 10% instead.

 13, 78.360,
306.100


 13, 78.360,
306.100


 100, 78.360,
306.100


 3, 78.360, 306.100


 33, 78.360,
306.100

 0, 78.360, 306.100

 43, 78.360,
306.100

 53, 78.360,
306.100


 63, 78.360,
306.100


 73, 78.360,
306.100


 83, 78.360,


306.100


 93, 78.360,
306.100


 13, 78.360,
306.100

 13, 78.360,
306.100


 13, 79.278,
306.317

 15, 72.709,
304.766

 18, 65.417,
303.034

 22, 56.818,
300.989

 26, 47.819,
298.904

 30, 38.898,
296.948

■ 35, 30.251,
295.200

■ 40, 21.935,
293.677

■ 44, 13.951,
292.370

■ 49, 6.282, 291.256

Harmonies

Complementary

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



13, 78.360, 306.100



51, 57.077, 103.278

Rectangle

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



13, 78.360, 306.100



13, 78.360, 356.100



13, 78.360, 126.100



13, 78.360, 176.100

Sweetspot

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



13, 78.362, 306.101



50, 28.697, 293.996



48, 29.597, 196.397



23, 19.617, 294.511



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, 78.362, 306.101



19, 95.793, 306.309



19, 72.999, 312.280



24, 4.222, 291.321



13, 80.007, 306.317



0, 0.000, 0.000

Inverse Universe

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



29, 67.820, 328.460



39, 82.350, 328.486



47, 63.821, 127.423



25, 5.080, 325.068



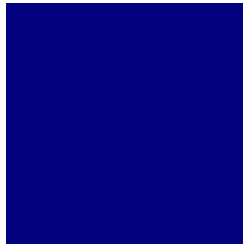
30, 68.795, 328.480



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 13, 78.360, 306.100 looks on a white background.

Color Contrast Check

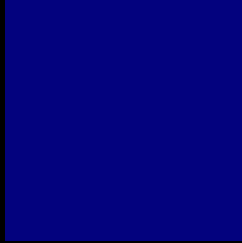
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.360, 306.100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

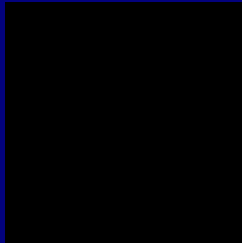
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 78.360, 306.100

Background



This preview shows how black text looks on a background with the CIELCh color 13, 78.360, 306.100.



This preview shows how white text looks on a background with the CIELCh color 13, 78.360, 306.100.

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, 78.360, 306.100

Protanopia

15, 28.727, 281.266

Deuteranopia

15, 20.202, 265.486



Tritanopia
15, 13.965, 202.420

Trichromacy



Original Color
13, 78.360, 306.100

Protanomaly
13, 50.000, 298.502

Deuteranomaly
12, 43.448, 295.777

Tritanomaly
11, 34.104, 290.800

Monochromacy



Original Color
13, 78.360, 306.100

Achromatopsia
5, 0.001, 296.812

Achromatomaly
5, 32.869, 299.808

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 78.360, 306.100 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(3, 2, 126)` looks like.

```
.text, #text, p{  
    color:rgb(3, 2, 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(3, 2, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 2, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 78.360, 306.100 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(3, 2, 126) }
```

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

```
.border{ border-color:rgb(3, 2, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 2, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 2, 126); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 2, 126); box-shadow:4px  
4px 4px 4px rgb(3, 2, 126) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 78.360, 306.100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 2, 126) }
```

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

```
.background{ background-color: rgb(3, 2,  
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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