

Converting Colors

CIELCh(13, 76.431, 307.374)

Have a look what the booklet for
CIELCh(13, 76.431, 307.374)
contains.

CIELCh(13, 76.293, 307.336)	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, 76.293, 307.336)

Conversions

Conversions Part 1

Format	Color
Hex	16007A
RGB	22, 0, 122
RGB Percent	9%, 0%, 48%
CMY	0.9152, 1.0000, 0.5224
CMYK	0.82, 1.00, 0.00, 0.52
HSL	251°, 100%, 24%
HSV	251°, 100%, 48%
XYZ	3.8201, 1.5625, 18.4434
YIQ	20.4860, -26.0500, 42.6060

Conversions

Conversions Part 2

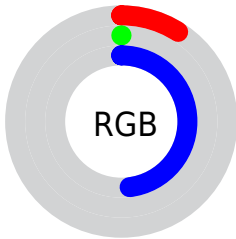
Format	Color
R_{YB}	22, 0, 122
Decimal	1441914
CIE _{Lab}	13.00, 46.27, -60.66
CIE _{LCh}	13, 76.293, 307.336
Yxy	1.5625, 0.1603, 0.0656
Android (android.graphics.Color)	4279631994 (0xFF16007A)
YUV	20.4860, 50.0464, 1.3278
Hunter-Lab	12.5000, 32.6765, -78.7310

Details

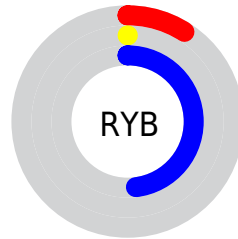
The CIELCh color **13, 76.293, 307.336** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **48, 57.192, 113.102**, and the grayscale version is **6, 0.002, 296.812**.

A 20% lighter version of the original color is **33, 76.429, 307.318**, and **4, 50.540, 303.992** is the 20% darker color. If you saturate the color by 10%, you get **13, 76.224, 307.313**, and if you desaturate by 10%, it is **15, 70.629, 306.502**.

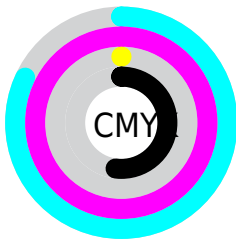
Distribution



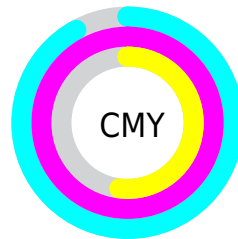
- Red (9%)
- Green (0%)
- Blue (48%)



- Red (9%)
- Yellow (0%)
- Blue (48%)



- Cyan (82%)
- Magenta (100%)
- Yellow (0%)
- Black (52%)





- Cyan (92%)
- Magenta (100%)
- Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 76.293, 307.336 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, 76.293, 307.336 by changing the saturation by 10% instead.

 13, 76.293,
307.336


 13, 76.293,
307.336


 100, 76.293,
307.336


 3, 76.293, 307.336


 33, 76.293,
307.336

 0, 76.293, 307.336

 43, 76.293,
307.336


 53, 76.293,
307.336


 63, 76.293,
307.336


 73, 76.293,
307.336


 83, 76.293,


307.336


 93, 76.293,
307.336


 13, 76.293,
307.336


 13, 76.293,
307.336


 13, 76.224,
307.313

 15, 70.629,
306.502

 18, 64.014,
305.596

 22, 56.115,
304.401

 26, 47.682,
303.106

 30, 39.168,
301.835

■ 34, 30.801,
300.654

■ 38, 22.681,
299.591

■ 43, 14.842,
298.653

■ 47, 7.287, 297.834

Harmonies

Complementary

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



13, 76.293, 307.336



48, 57.192, 113.102

Rectangle

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



13, 76.293, 307.336



13, 76.293, 357.336



13, 76.293, 127.336



13, 76.293, 177.336

Sweetspot

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



13, 76.224, 307.313



49, 28.119, 299.665



39, 25.200, 227.001



23, 19.198, 300.011



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



13, 76.224, 307.313



19, 92.351, 307.153



21, 69.591, 316.691



23, 4.114, 297.764



14, 77.661, 307.295



33, 131.379, 306.965

Inverse Universe

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



27, 58.530, 336.454



36, 70.523, 336.694



45, 65.867, 131.998



24, 4.360, 330.251



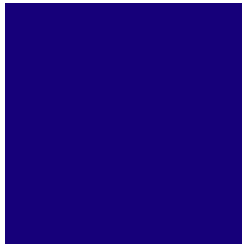
28, 59.598, 336.480



57, 99.626, 337.014

Previews

White Background



This preview shows how the CIELCh color 13, 76.293, 307.336 looks on a white background.

Color Contrast Check

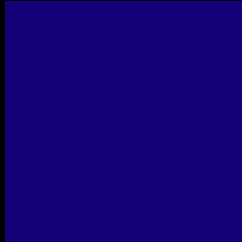
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 13, 76.293, 307.336 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, 76.293, 307.336

Background



This preview shows how black text looks on a background with the CIELCh color 13, 76.293, 307.336.



This preview shows how white text looks on a background with the CIELCh color 13, 76.293, 307.336.

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, 76.293, 307.336

Protanopia

15, 28.727, 281.266

Deuteranopia

15, 20.202, 265.486



Tritanopia
15, 13.965, 202.420

Trichromacy



Original Color
13, 76.293, 307.336

Protanomaly
13, 48.590, 299.006

Deuteranomaly
12, 43.407, 297.240

Tritanomaly
11, 32.597, 291.796

Monochromacy



Original Color
13, 76.293, 307.336

Achromatopsia
6, 0.002, 296.812

Achromatomaly
7, 32.656, 304.031

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 76.293, 307.336 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(22, 0, 122)` looks like.

```
.text, #text, p{  
    color:rgb(22, 0, 122)  
}
```

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(22, 0, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 0, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 76.293, 307.336 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(22, 0, 122) }
```

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

```
.border{ border-color:rgb(22, 0, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 0, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 0, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 0, 122);  
box-shadow:4px 4px 4px 4px rgb(22, 0, 122)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 76.293, 307.336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 0, 122) }
```

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

```
.background{ background-color: rgb(22, 0,  
122) }
```

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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