

Converting Colors

CIELCh(13, 76.182, 305.733)

Have a look what the booklet for
CIELCh(13, 76.182, 305.733)
contains.

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Color

CIELCh(13, 76.570, 305.786)

Conversions

Conversions Part 1

Format	Color
Hex	03047C
RGB	3, 4, 124
RGB Percent	1%, 2%, 49%
CMY	0.9880, 0.9843, 0.5137
CMYK	0.98, 0.97, 0.00, 0.51
HSL	240°, 95%, 25%
HSV	240°, 98%, 49%
XYZ	3.7209, 1.5625, 19.1801
YIQ	17.3810, -39.1160, 37.1080

Conversions

Conversions Part 2

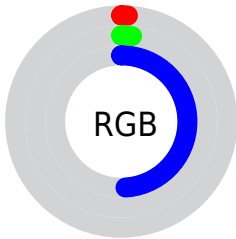
Format	Color
R_{YB}	3, 4, 124
Decimal	197756
CIE _{Lab}	13.00, 44.78, -62.11
CIE _{LCh}	13, 76.570, 305.786
Yxy	1.5625, 0.1521, 0.0639
Android (android.graphics.Color)	4278387836 (0xFF03047C)
YUV	17.3810, 52.5632, -12.6121
Hunter-Lab	12.5000, 31.2597, -82.2250

Details

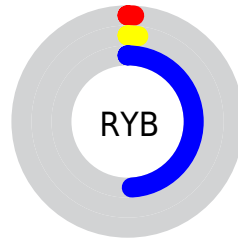
The CIELCh color **13, 76.570, 305.786** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **50, 55.906, 102.458**, and the grayscale version is **5, 0.002, 296.812**.

A 20% lighter version of the original color is **33, 76.582, 305.844**, and **4, 51.274, 304.193** is the 20% darker color. If you saturate the color by 10%, you get **12, 78.032, 306.135**, and if you desaturate by 10%, it is **15, 70.863, 304.395**.

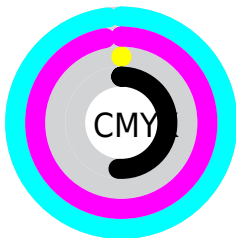
Distribution



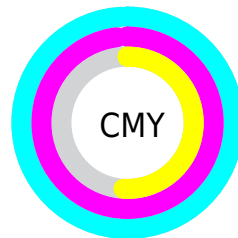
- Red (1%)
- Green (2%)
- Blue (49%)



- Red (1%)
- Yellow (2%)
- Blue (49%)



- Cyan (98%)
- Magenta (97%)
- Yellow (0%)
- Black (51%)



- Cyan (99%)
- Magenta (98%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 76.570, 305.786 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, 76.570, 305.786 by changing the saturation by 10% instead.

■ 13, 76.570,
305.786

■ 13, 76.570,
305.786

■ 100, 76.570,
305.786

■ 3, 76.570, 305.786

■ 33, 76.570,
305.786

■ 0, 76.570, 305.786

■ 43, 76.570,
305.786


■ 53, 76.570,
305.786


■ 63, 76.570,
305.786


■ 73, 76.570,
305.786


■ 83, 76.570,


305.786


 93, 76.570,
305.786


 13, 76.570,
305.786


 13, 76.570,
305.786


 12, 78.032,
306.135

 15, 70.863,
304.395

 18, 63.403,
302.534

 22, 54.843,
300.411

 26, 45.995,
298.283

 30, 37.273,
296.308

■ 35, 28.835,
294.552

■ 40, 20.725,
293.027

■ 44, 12.939,
291.720

■ 49, 5.455, 290.607

Harmonies

Complementary

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



13, 76.570, 305.786



50, 55.906, 102.458

Rectangle

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



13, 76.570, 305.786



13, 76.570, 355.786



13, 76.570, 125.786



13, 76.570, 175.786

Sweetspot

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



13, 76.572, 305.787



50, 27.097, 293.337



47, 29.554, 194.007



23, 18.875, 293.870



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, 76.572, 305.787



18, 94.336, 306.175



18, 71.987, 311.923



23, 4.047, 290.765



13, 78.457, 306.136



32, 132.490, 306.223

Inverse Universe

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



25, 58.421, 37.342



33, 73.416, 39.410



46, 62.470, 126.780



24, 2.851, 19.233



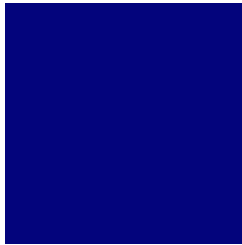
25, 59.848, 37.867



53, 103.466, 39.780

Previews

White Background



This preview shows how the CIELCh color 13, 76.570, 305.786 looks on a white background.

Color Contrast Check

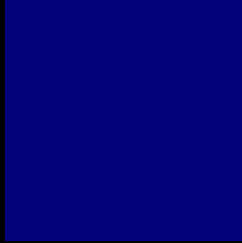
Large Text (above 18pt) WCAG AA ✓ Pass

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, 76.570, 305.786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

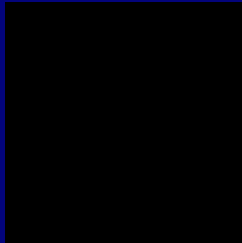
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 76.570, 305.786

Background



This preview shows how black text looks on a background with the CIELCh color 13, 76.570, 305.786.



This preview shows how white text looks on a background with the CIELCh color 13, 76.570, 305.786.

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, 76.570, 305.786

Protanopia

14, 28.780, 281.828

Deuteranopia

15, 19.653, 263.982



Tritanopia
15, 13.965, 202.420

Trichromacy



Original Color
13, 76.570, 305.786

Protanomaly
12, 48.755, 298.158

Deuteranomaly
12, 42.801, 295.528

Tritanomaly
11, 32.662, 289.388

Monochromacy



Original Color
13, 76.570, 305.786

Achromatopsia
5, 0.002, 296.812

Achromatomaly
6, 32.351, 299.814

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 76.570, 305.786 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, 4, 124)` looks like.

```
.text, #text, p{  
    color:rgb(3, 4, 124)  
}
```

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, 4, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 4, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 76.570, 305.786 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, 4, 124) }
```

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

```
.border{ border-color:rgb(3, 4, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 4, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 4, 124); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 4, 124); box-shadow:4px  
4px 4px 4px rgb(3, 4, 124) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 76.570, 305.786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 4, 124) }
```

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

```
.background{ background-color: rgb(3, 4,  
124) }
```

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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