

Converting Colors

CIELCh(18, 37.828, 286.999)

Have a look what the booklet for
CIELCh(18, 37.828, 286.999)
contains.

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Color

CIELCh(18, 37.974, 287.141)

Conversions

Conversions Part 1

Format	Color
Hex	002A61
RGB	0, 42, 97
RGB Percent	0%, 16%, 38%
CMY	1.0000, 0.8353, 0.6196
CMYK	1.00, 0.57, 0.00, 0.62
HSL	214°, 100%, 19%
HSV	214°, 100%, 38%
XYZ	2.9846, 2.5180, 11.6353
YIQ	35.7120, -42.6870, 8.2010

Conversions

Conversions Part 2

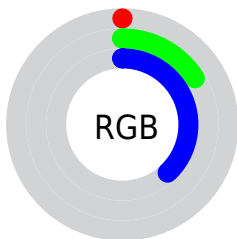
Format	Color
RYB	0, 29, 97
Decimal	10849
CIELab	18.00, 11.19, -36.29
CIELCh	18, 37.974, 287.141
Yxy	2.5180, 0.1742, 0.1469
Android (android.graphics.Color)	4278200929 (0xFF002A61)
YUV	35.7120, 30.2150, -31.3194
Hunter-Lab	15.8683, 5.8034, -32.3660

Details

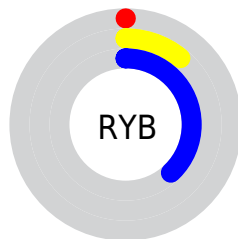
The CIELCh color **18, 37.974, 287.141** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **27, 40.407, 68.516**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 37.599, 286.928**, and **2, 31.959, 295.615** is the 20% darker color. If you saturate the color by 10%, you get **18, 37.974, 287.144**, and if you desaturate by 10%, it is **20, 33.946, 283.689**.

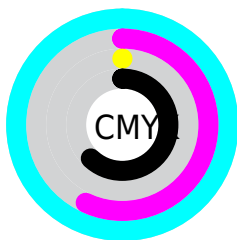
Distribution



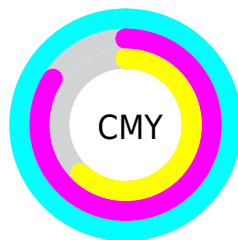
- Red (0%)
- Green (16%)
- Blue (38%)



- Red (0%)
- Yellow (11%)
- Blue (38%)



- Cyan (100%)
- Magenta (57%)
- Yellow (0%)
- Black (62%)



- Cyan (100%)
- Magenta (84%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 37.974, 287.141 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 18, 37.974, 287.141 by changing the saturation by 10% instead.

■ 18, 37.974,
287.141

■ 18, 37.974,
287.141

■ 100, 37.974,
287.141

■ 8, 37.974, 287.141

■ 38, 37.974,
287.141

■ 0, 37.974, 287.141

■ 48, 37.974,
287.141


■ 58, 37.974,
287.141


■ 68, 37.974,
287.141


■ 78, 37.974,
287.141

■ 88, 37.974,


287.141


 98, 37.974,
287.141


 18, 37.974,
287.141

 18, 37.974,
287.141


 18, 37.974,
287.144

 20, 33.946,
283.689

 22, 30.064,
279.984

 24, 26.257,
276.590

 27, 22.494,
273.568

 29, 18.749,
270.929

■ 31, 15.005,
268.651

■ 34, 11.256,
266.697

■ 36, 7.504, 265.025

■ 39, 3.751, 263.606

Harmonies

Complementary

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



18, 37.974, 287.141



27, 40.407, 68.516

Rectangle

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



18, 37.974, 287.141



18, 37.974, 337.141



18, 37.974, 107.141



18, 37.974, 157.141

Sweetspot

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



18, 37.974, 287.144



43, 13.864, 266.855



36, 39.629, 154.319



21, 9.533, 267.399



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



18, 37.974, 287.144



24, 46.831, 288.473



8, 65.471, 306.705



19, 2.102, 263.464



21, 42.846, 287.948



47, 79.883, 290.691

Inverse Universe

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



19, 41.600, 5.165



26, 49.771, 6.667



39, 47.877, 106.710



18, 2.729, 348.100



23, 46.086, 6.064



51, 80.669, 9.374

Previews

White Background



This preview shows how the CIELCh color 18, 37.974, 287.141 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 18, 37.974, 287.141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

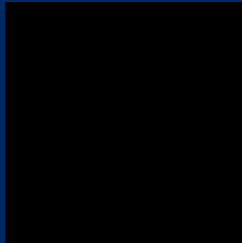
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 37.974, 287.141

Background



This preview shows how black text looks on a background with the CIELCh color 18, 37.974, 287.141.



This preview shows how white text looks on a background with the CIELCh color 18, 37.974, 287.141.

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


18, 37.974, 287.141

Protanopia

18, 34.100, 283.797

Deuteranopia

18, 24.288, 269.736



Tritanopia
18, 15.459, 204.355

Trichromacy



Original Color
18, 37.974, 287.141

Protanomaly
18, 35.363, 284.842

Deuteranomaly
18, 29.029, 277.641

Tritanomaly
18, 18.690, 253.284

Monochromacy



Original Color
18, 37.974, 287.141

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 14.841, 272.781

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 37.974, 287.141 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(0, 42, 97)` looks like.

```
.text, #text, p{  
    color:rgb(0, 42, 97)  
}
```

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(0, 42, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 42, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 37.974, 287.141 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(0, 42, 97) }
```

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

```
.border{ border-color:rgb(0, 42, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 42, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 42, 97); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 42, 97); box-shadow:4px  
4px 4px 4px rgb(0, 42, 97) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 37.974, 287.141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 42, 97) }
```

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

```
.background{ background-color: rgb(0, 42,  
97) }
```

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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