

Converting Colors

CIELCh(17, 40.613, 273.620)

Have a look what the booklet for
CIELCh(17, 40.613, 273.620)
contains.

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Color

CIELCh(19, 38.370, 286.321)

Conversions

Conversions Part 1

Format	Color
Hex	002C64
RGB	0, 44, 100
RGB Percent	0%, 17%, 39%
CMY	1.0000, 0.8259, 0.6068
CMYK	1.00, 0.56, 0.00, 0.61
HSL	213°, 100%, 20%
HSV	213°, 100%, 39%
XYZ	3.2115, 2.7468, 12.4867
YIQ	37.2280, -44.2000, 8.0880

Conversions

Conversions Part 2

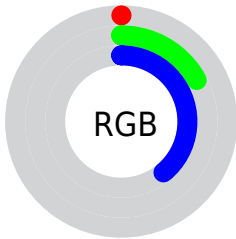
Format	Color
RYB	0, 31, 100
Decimal	11364
CIELab	19.00, 10.78, -36.82
CIELCh	19, 38.370, 286.321
Yxy	2.7468, 0.1741, 0.1489
Android (android.graphics.Color)	4278201444 (0xFF002C64)
YUV	37.2280, 30.9466, -32.6490
Hunter-Lab	16.5735, 5.5852, -33.0684

Details

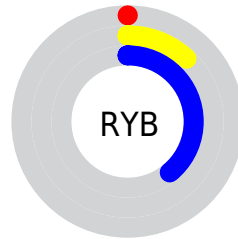
The CIELCh color **19, 38.370, 286.321** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **28, 41.556, 67.572**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 38.091, 286.644**, and **2, 35.289, 297.538** is the 20% darker color. If you saturate the color by 10%, you get **19, 38.346, 286.526**, and if you desaturate by 10%, it is **21, 34.307, 282.981**.

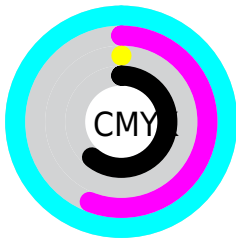
Distribution



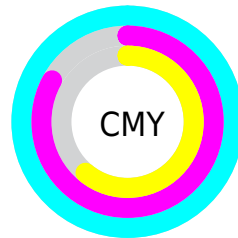
- Red (0%)
- Green (17%)
- Blue (39%)



- Red (0%)
- Yellow (12%)
- Blue (39%)



- Cyan (100%)
- Magenta (56%)
- Yellow (0%)
- Black (61%)



- Cyan (100%)
- Magenta (83%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 38.370, 286.321 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 19, 38.370, 286.321 by changing the saturation by 10% instead.

■ 19, 38.370,
286.321

■ 19, 38.370,
286.321

■ 100, 38.370,
286.321

■ 9, 38.370, 286.321

■ 39, 38.370,
286.321

■ 0, 38.370, 286.321

■ 49, 38.370,
286.321


■ 59, 38.370,
286.321


■ 69, 38.370,
286.321


■ 79, 38.370,
286.321


■ 89, 38.370,


286.321


 99, 38.370,
286.321


 19, 38.370,
286.321


 19, 38.370,
286.321


 19, 38.346,
286.526

 21, 34.307,
282.981

 23, 30.413,
279.216

 25, 26.591,
275.772

 28, 22.805,
272.710

 30, 19.028,
270.040

■ 33, 15.243,
267.739

■ 35, 11.445,
265.768

■ 37, 7.636, 264.086

■ 40, 3.820, 262.661

Harmonies

Complementary

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



19, 38.370, 286.321



28, 41.556, 67.572

Rectangle

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



19, 38.370, 286.321



19, 38.370, 336.321



19, 38.370, 106.321



19, 38.370, 156.321

Sweetspot

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



19, 38.346, 286.526



45, 14.171, 265.927



37, 41.381, 153.262



22, 9.741, 266.495



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



19, 38.346, 286.526



26, 47.535, 287.861



9, 67.139, 306.589



20, 2.175, 262.526



22, 42.871, 287.260



48, 79.108, 289.955

Inverse Universe

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



20, 42.600, 4.495



27, 51.231, 5.964



41, 48.947, 105.765



19, 2.868, 347.536



23, 46.841, 5.294



52, 81.255, 8.446

Previews

White Background



This preview shows how the CIE LCh color 19, 38.370, 286.321 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 19, 38.370, 286.321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

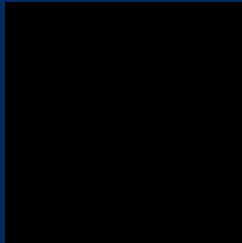
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 38.370, 286.321

Background



This preview shows how black text looks on a background with the CIELCh color 19, 38.370, 286.321.



This preview shows how white text looks on a background with the CIELCh color 19, 38.370, 286.321.

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

19, 38.447, 286.734

Protanopia

19, 35.230, 283.944

Deuteranopia

19, 25.443, 270.672



Tritanopia
19, 15.767, 206.760

Trichromacy



Original Color
19, 38.447, 286.734

Protanomaly
19, 36.484, 284.945

Deuteranomaly
19, 29.577, 277.351

Tritanomaly
19, 19.301, 253.778

Monochromacy



Original Color
19, 38.447, 286.734

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 14.856, 271.268

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 38.370, 286.321 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, 44, 100)` looks like.

```
.text, #text, p{  
    color:rgb(0, 44, 100)  
}
```

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, 44, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 44, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 38.370, 286.321 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, 44, 100) }
```

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

```
.border{ border-color:rgb(0, 44, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 44, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 44, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 44, 100);  
box-shadow:4px 4px 4px 4px rgb(0, 44, 100)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 38.370, 286.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 44, 100) }
```

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

```
.background{ background-color: rgb(0, 44,  
100) }
```

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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