

Converting Colors

CIELCh(19, 24.087, 267.409)

Have a look what the booklet for
CIELCh(19, 24.087, 267.409)
contains.

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Color

CIELCh(19, 23.787, 266.804)

Conversions

Conversions Part 1

Format	Color
Hex	003151
RGB	0, 49, 81
RGB Percent	0%, 19%, 32%
CMY	1.0000, 0.8094, 0.6841
CMYK	1.00, 0.40, 0.00, 0.68
HSL	204°, 100%, 16%
HSV	204°, 100%, 32%
XYZ	2.5425, 2.7468, 8.0943
YIQ	37.9970, -39.4760, -0.4360

Conversions

Conversions Part 2

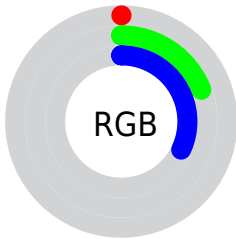
Format	Color
RYB	0, 31, 81
Decimal	12625
CIELab	19.00, -1.33, -23.75
CIELCh	19, 23.787, 266.804
Yxy	2.7468, 0.1900, 0.2052
Android (android.graphics.Color)	4278202705 (0xFF003151)
YUV	37.9970, 21.2005, -33.3234
Hunter-Lab	16.5735, -1.6202, -17.3549

Details

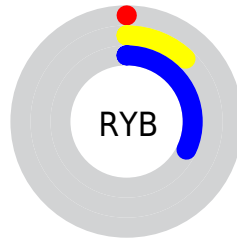
The CIELCh color **19, 23.787, 266.804** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **19, 35.073, 53.396**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 23.904, 266.906**, and **2, 20.896, 290.401** is the 20% darker color. If you saturate the color by 10%, you get **19, 23.754, 266.992**, and if you desaturate by 10%, it is **20, 21.738, 263.461**.

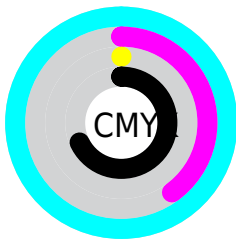
Distribution



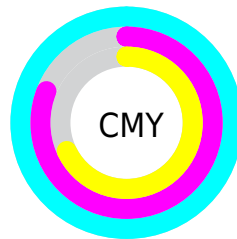
- Red (0%)
- Green (19%)
- Blue (32%)



- Red (0%)
- Yellow (12%)
- Blue (32%)



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)
- Black (68%)



- Cyan (100%)
- Magenta (81%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 23.787, 266.804 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, 23.787, 266.804 by changing the saturation by 10% instead.

■ 19, 23.787,
266.804

■ 19, 23.787,
266.804

■ 100, 23.787,
266.804

■ 9, 23.787, 266.804

■ 39, 23.787,
266.804

■ 0, 23.787, 266.804

■ 49, 23.787,
266.804


■ 59, 23.787,
266.804


■ 69, 23.787,
266.804


■ 79, 23.787,
266.804


■ 89, 23.787,


266.804


 99, 23.787,
266.804


 19, 23.787,
266.804


 19, 23.787,
266.804


 19, 23.754,
266.992

 20, 21.738,
263.461

 22, 19.798,
259.611

 23, 17.765,
256.222

 25, 15.602,
253.325

 26, 13.299,
250.881

■ 28, 10.857,
248.838

■ 29, 8.289, 247.136

■ 31, 5.612, 245.724

■ 33, 2.844, 244.573

Harmonies

Complementary

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



19, 23.787, 266.804



19, 35.073, 53.396

Rectangle

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



19, 23.787, 266.804



19, 23.787, 316.804



19, 23.787, 86.804



19, 23.787, 136.804

Sweetspot

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



19, 23.754, 266.992



38, 10.264, 247.301



29, 41.137, 146.105



18, 7.030, 247.695



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



19, 23.754, 266.992



25, 29.182, 268.944



7, 51.113, 302.648



16, 1.609, 244.449



57, 55.139, 272.688

Inverse Universe

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



15, 38.545, 349.830



21, 45.885, 350.889



30, 38.952, 95.475



15, 2.647, 339.026



51, 81.286, 353.110

Previews

White Background



This preview shows how the CIE LCh color 19, 23.787, 266.804 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, 23.787, 266.804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

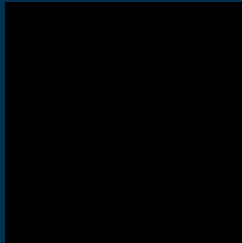
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 23.787, 266.804

Background



This preview shows how black text looks on a background with the CIELCh color 19, 23.787, 266.804.



This preview shows how white text looks on a background with the CIELCh color 19, 23.787, 266.804.

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, 23.787, 266.804

Protanopia

19, 22.014, 284.735

Deuteranopia

19, 23.930, 277.294



Tritanopia
19, 15.767, 206.760

Trichromacy



Original Color
19, 23.787, 266.804

Protanomaly
19, 22.642, 276.105

Deuteranomaly
19, 23.730, 272.420

Tritanomaly
19, 16.423, 233.514

Monochromacy



Original Color
19, 23.787, 266.804

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 10.099, 248.680

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 23.787, 266.804 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, 49, 81)` looks like.

```
.text, #text, p{  
    color:rgb(0, 49, 81)  
}
```

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, 49, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 49, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 23.787, 266.804 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, 49, 81) }
```

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

```
.border{ border-color:rgb(0, 49, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 49, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 49, 81); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 49, 81); box-shadow:4px  
4px 4px 4px rgb(0, 49, 81) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 23.787, 266.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 49, 81) }
```

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

```
.background{ background-color: rgb(0, 49,  
81) }
```

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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