

Converting Colors

CIELCh(19, 12.073, 200.428)

Have a look what the booklet for
CIELCh(19, 12.073, 200.428)
contains.

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Color

CIELCh(19, 12.073, 200.430)

Conversions

Conversions Part 1

Format	Color
Hex	133334
RGB	19, 51, 52
RGB Percent	7%, 20%, 20%
CMY	0.9258, 0.8003, 0.7963
CMYK	0.64, 0.02, 0.00, 0.80
HSL	182°, 47%, 14%
HSV	182°, 64%, 20%
XYZ	2.0663, 2.7468, 3.6622
YIQ	41.5460, -19.3930, -6.4730

Conversions

Conversions Part 2

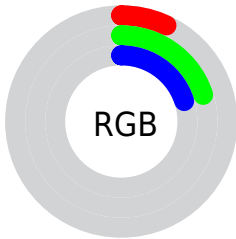
Format	Color
R_{YB}	19, 35, 52
Decimal	1258292
CIE _{Lab}	19.00, -11.31, -4.21
CIE _{LCh}	19, 12.073, 200.430
Yxy	2.7468, 0.2438, 0.3241
Android (android.graphics.Color)	4279448372 (0xFF133334)
YUV	41.5460, 5.1538, -19.7728
Hunter-Lab	16.5735, -6.7487, -1.4996

Details

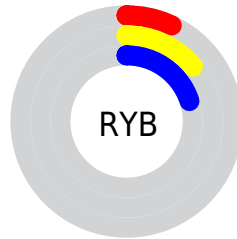
The CIELCh color **19, 12.073, 200.430** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **11, 17.967, 27.051**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 12.160, 197.906**, and **0, 2.420, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **19, 13.254, 200.399**, and if you desaturate by 10%, it is **19, 10.657, 200.532**.

Distribution



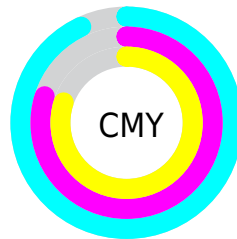
- Red (7%)
- Green (20%)
- Blue (20%)



- Red (7%)
- Yellow (14%)
- Blue (20%)



- Cyan (64%)
- Magenta (2%)
- Yellow (0%)
- Black (80%)



- Cyan (93%)
- Magenta (80%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 12.073, 200.430 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, 12.073, 200.430 by changing the saturation by 10% instead.

■ 19, 12.073,
200.430

■ 19, 12.073,
200.430

■ 100, 12.073,
200.430

■ 9, 12.073, 200.430

■ 39, 12.073,
200.430

■ 0, 12.073, 200.430

■ 49, 12.073,
200.430

■ 59, 12.073,
200.430


■ 69, 12.073,
200.430


■ 79, 12.073,
200.430


■ 89, 12.073,


200.430

 99, 12.073,
200.430

 19, 12.073,
200.430


 19, 12.073,
200.430

 19, 13.254,
200.399


 19, 10.657,
200.532

 19, 14.198,
200.444

 20, 9.024, 200.704

 18, 15.103,
200.482

 20, 7.197, 200.937

 18, 15.704,
200.488

 20, 5.204, 201.228

 21, 3.070, 201.581

 21, 0.821, 202.135

■ 22, 1.517, 22.122

■ 23, 3.925, 22.626

■ 23, 6.383, 23.083

Harmonies

Complementary

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



19, 12.073, 200.430



11, 17.967, 27.051

Rectangle

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



19, 12.073, 200.430



19, 12.073, 250.430



19, 12.073, 20.430



19, 12.073, 70.430

Sweetspot

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



19, 12.073, 200.428



27, 5.201, 201.348



19, 26.351, 140.392



12, 3.496, 201.327



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



19, 12.073, 200.428



25, 16.220, 200.420



13, 13.219, 267.717



9, 1.246, 201.815



33, 22.406, 200.906



77, 42.493, 201.317

Inverse Universe

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



12, 25.917, 328.090



15, 36.227, 328.648



16, 15.150, 70.319



8, 2.287, 325.609



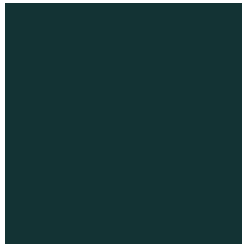
19, 52.556, 329.383



51, 99.802, 329.486

Previews

White Background



This preview shows how the CIELCh color 19, 12.073, 200.430 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, 12.073, 200.430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

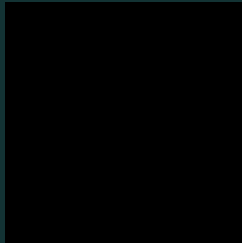
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 12.073, 200.430

Background



This preview shows how black text looks on a background with the CIELCh color 19, 12.073, 200.430.



This preview shows how white text looks on a background with the CIELCh color 19, 12.073, 200.430.

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](#).

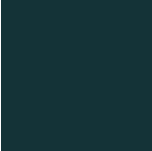
Dichromacy



Original Color
19, 12.073, 200.430

Protanopia
19, 2.059, 290.693

Deuteranopia
19, 5.584, 300.754



Tritanopia
19, 11.695, 211.029

Trichromacy



Original Color
19, 12.073, 200.430

Protanomaly
19, 5.366, 213.341

Deuteranomaly
19, 5.833, 244.014

Tritanomaly
19, 11.692, 207.517

Monochromacy



Original Color
19, 12.073, 200.430

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 5.351, 198.314

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 12.073, 200.430 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(19, 51, 52)` looks like.

```
.text, #text, p{  
    color:rgb(19, 51, 52)  
}
```

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(19, 51, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 51, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 12.073, 200.430 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(19, 51, 52) }
```

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

```
.border{ border-color:rgb(19, 51, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 51, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 51, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 51, 52);  
box-shadow:4px 4px 4px 4px rgb(19, 51, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 12.073, 200.430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 51, 52) }
```

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

```
.background{ background-color: rgb(19, 51,  
52) }
```

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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