

Converting Colors

CIELCh(19, 16.097, 198.609)

Have a look what the booklet for
CIELCh(19, 16.097, 198.609)
contains.

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Color

CIELCh(19, 15.930, 198.974)

Conversions

Conversions Part 1

Format	Color
Hex	013435
RGB	1, 52, 53
RGB Percent	0%, 20%, 21%
CMY	0.9949, 0.7951, 0.7912
CMYK	0.98, 0.02, 0.00, 0.79
HSL	181°, 95%, 11%
HSV	181°, 98%, 21%
XYZ	1.9042, 2.7468, 3.8289
YIQ	36.8650, -30.7170, -10.5010

Conversions

Conversions Part 2

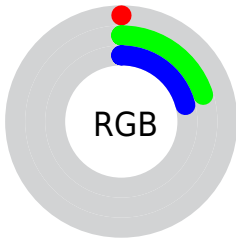
Format	Color
R_{YB}	1, 27, 53
Decimal	78901
CIE Lab	19.00, -15.06, -5.18
CIE LCh	19, 15.930, 198.974
Yxy	2.7468, 0.2246, 0.3239
Android (android.graphics.Color)	4278268981 (0xFF013435)
YUV	36.8650, 7.9546, -31.4536
Hunter-Lab	16.5735, -8.4955, -2.0961

Details

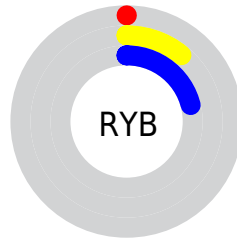
The CIELCh color **19, 15.930, 198.974** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **7, 27.383, 23.847**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 16.189, 197.425**, and **0, 3.226, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **19, 16.159, 198.959**, and if you desaturate by 10%, it is **19, 15.003, 199.016**.

Distribution



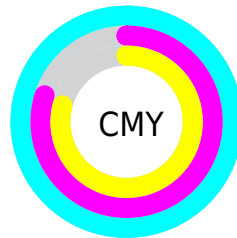
- Red (0%)
- Green (20%)
- Blue (21%)



- Red (0%)
- Yellow (11%)
- Blue (21%)



- Cyan (98%)
- Magenta (2%)
- Yellow (0%)
- Black (79%)





- Cyan (99%)
- Magenta (80%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 15.930, 198.974 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, 15.930, 198.974 by changing the saturation by 10% instead.

 19, 15.930,
198.974


 19, 15.930,
198.974


 100, 15.930,
198.974


 9, 15.930, 198.974


 39, 15.930,
198.974

 0, 15.930, 198.974

 49, 15.930,
198.974


 59, 15.930,
198.974


 69, 15.930,
198.974


 79, 15.930,
198.974


 89, 15.930,


198.974


 99, 15.930,
198.974


 19, 15.930,
198.974


 19, 15.930,
198.974


 19, 16.159,
198.959

 19, 15.003,
199.016

 19, 14.089,
199.040

 20, 12.976,
199.115

 20, 11.614,
199.255

 20, 10.018,
199.457

■ 21, 8.212, 199.716

■ 21, 6.221, 200.028

■ 21, 4.073, 200.394

■ 22, 1.796, 200.846

Harmonies

Complementary

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



19, 15.930, 198.974



7, 27.383, 23.847

Rectangle

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



19, 15.930, 198.974



19, 15.930, 248.974



19, 15.930, 18.974



19, 15.930, 68.974

Sweetspot

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



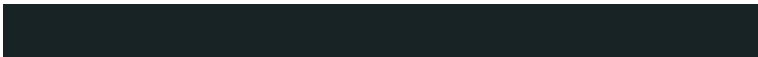
19, 15.930, 198.973



27, 8.042, 199.934



18, 37.082, 138.635



13, 5.552, 199.892



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



19, 15.930, 198.973



25, 19.070, 199.090



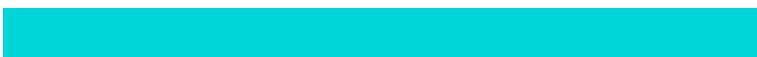
9, 20.559, 277.024



9, 1.260, 200.815



33, 22.719, 199.202



78, 43.135, 199.454

Inverse Universe

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



9, 36.894, 328.818



14, 44.454, 328.925



13, 21.665, 63.161



8, 2.304, 325.305



19, 52.983, 328.953



51, 100.685, 329.017

Previews

White Background



This preview shows how the CIELCh color 19, 15.930, 198.974 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, 15.930, 198.974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

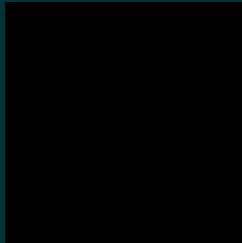
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 15.930, 198.974

Background



This preview shows how black text looks on a background with the CIELCh color 19, 15.930, 198.974.



This preview shows how white text looks on a background with the CIELCh color 19, 15.930, 198.974.

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, 15.930, 198.974

Protanopia

19, 2.788, 300.329

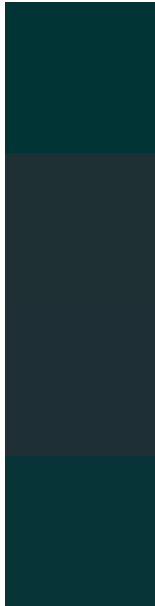
Deuteranopia

19, 6.189, 295.756



Tritanopia
19, 14.389, 207.969

Trichromacy



Original Color
19, 15.930, 198.974

Protanomaly
18, 7.689, 213.712

Deuteranomaly
19, 8.222, 228.531

Tritanomaly
19, 14.792, 204.830

Monochromacy



Original Color
19, 15.930, 198.974

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 8.092, 197.692

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 15.930, 198.974 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(1, 52, 53)` looks like.

```
.text, #text, p{  
    color:rgb(1, 52, 53)  
}
```

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(1, 52, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 52, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 15.930, 198.974 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(1, 52, 53) }
```

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

```
.border{ border-color:rgb(1, 52, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 52, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 52, 53); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 52, 53); box-shadow:4px  
4px 4px 4px rgb(1, 52, 53) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 15.930, 198.974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 52, 53) }
```

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

```
.background{ background-color: rgb(1, 52,  
53) }
```

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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