

Converting Colors

CIELCh(17, 14.779, 198.186)

Have a look what the booklet for
CIELCh(17, 14.779, 198.186)
contains.

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Color

CIELCh(17, 14.700, 199.276)

Conversions

Conversions Part 1

Format	Color
Hex	022F30
RGB	2, 47, 48
RGB Percent	1%, 18%, 19%
CMY	0.9903, 0.8139, 0.8100
CMYK	0.95, 0.02, 0.00, 0.81
HSL	181°, 90%, 10%
HSV	181°, 95%, 19%
XYZ	1.6083, 2.3023, 3.2045
YIQ	33.6590, -27.1410, -9.2290

Conversions

Conversions Part 2

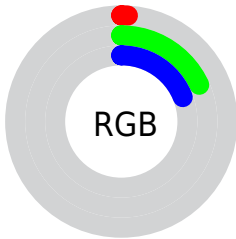
Format	Color
RYB	2, 25, 48
Decimal	143152
CIELab	17.00, -13.88, -4.85
CIELCh	17, 14.700, 199.276
Yxy	2.3023, 0.2260, 0.3236
Android (android.graphics.Color)	4278333232 (0xFF022F30)
YUV	33.6590, 7.0701, -27.7649
Hunter-Lab	15.1734, -7.6332, -1.9003

Details

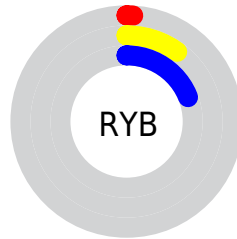
The CIELCh color **17, 14.700, 199.276** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **7, 24.126, 22.375**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 14.644, 199.992**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 15.192, 199.239**, and if you desaturate by 10%, it is **17, 13.762, 199.325**.

Distribution



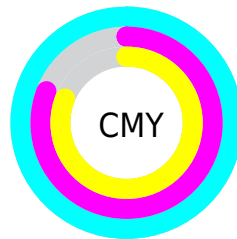
- Red (1%)
- Green (18%)
- Blue (19%)



- Red (1%)
- Yellow (10%)
- Blue (19%)



- Cyan (95%)
- Magenta (2%)
- Yellow (0%)
- Black (81%)





- Cyan (99%)
- Magenta (81%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 14.700, 199.276 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 17, 14.700, 199.276 by changing the saturation by 10% instead.

 17, 14.700,
199.276


 17, 14.700,
199.276


 100, 14.700,
199.276


 7, 14.700, 199.276


 37, 14.700,
199.276

 0, 14.700, 199.276

 47, 14.700,
199.276


 57, 14.700,
199.276


 67, 14.700,
199.276


 77, 14.700,
199.276


 87, 14.700,


199.276


 97, 14.700,
199.276


 17, 14.700,
199.276


 17, 14.700,
199.276

 17, 15.192,
199.239

 17, 13.762,
199.325

 17, 12.832,
199.357

 18, 11.712,
199.440

 18, 10.372,
199.588

 18, 8.829, 199.796

■ 19, 7.104, 200.058

■ 19, 5.220, 200.371

■ 19, 3.202, 200.740

■ 20, 1.075, 201.246

Harmonies

Complementary

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



17, 14.700, 199.276



7, 24.126, 22.375

Rectangle

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



17, 14.700, 199.276



17, 14.700, 249.276



17, 14.700, 19.276



17, 14.700, 69.276

Sweetspot

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



17, 14.700, 199.275



25, 7.295, 200.218



16, 33.611, 139.682



12, 5.073, 200.180



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



17, 14.700, 199.275



23, 18.077, 199.406



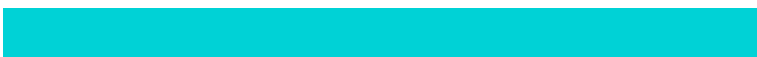
8, 18.477, 275.493



7, 1.087, 201.454



32, 22.202, 199.562



77, 42.610, 199.859

Inverse Universe

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



8, 33.825, 328.798



12, 42.188, 329.005



12, 18.954, 63.128



7, 1.947, 325.017



19, 51.844, 329.044



51, 99.600, 329.119

Previews

White Background



This preview shows how the CIELCh color 17, 14.700, 199.276 looks on a white background.

Color Contrast Check

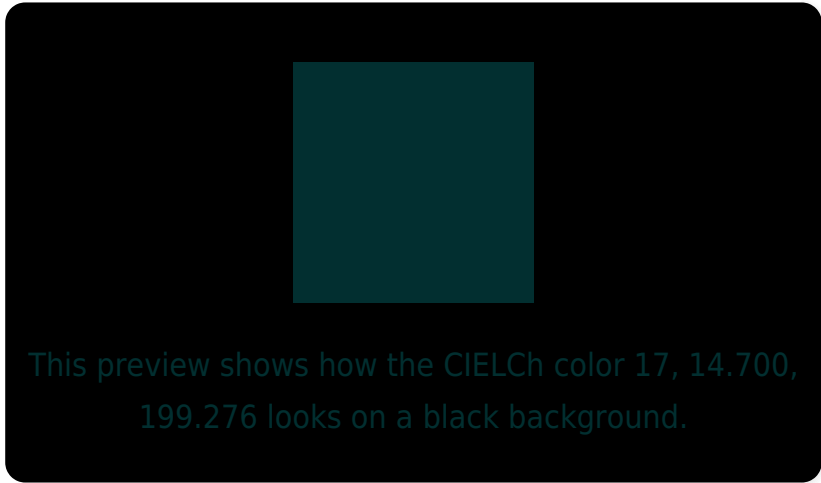
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

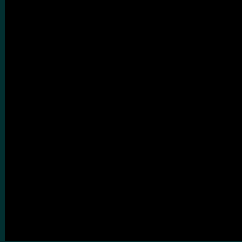
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 14.700, 199.276

Background



This preview shows how black text looks on a background with the CIELCh color 17, 14.700, 199.276.



This preview shows how white text looks on a background with the CIELCh color 17, 14.700, 199.276.

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


17, 14.700, 199.276

Protanopia

17, 2.087, 290.728

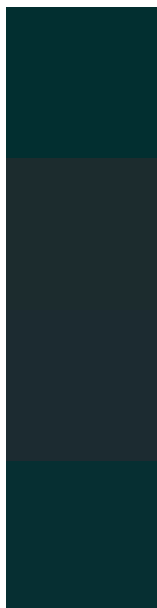
Deuteranopia

17, 6.348, 299.914



Tritanopia
17, 13.240, 209.204

Trichromacy



Original Color
17, 14.700, 199.276

Protanomaly
17, 6.928, 209.740

Deuteranomaly
16, 7.357, 233.321

Tritanomaly
17, 13.669, 205.688

Monochromacy



Original Color
17, 14.700, 199.276

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 7.012, 197.832

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 14.700, 199.276 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(2, 47, 48)` looks like.

```
.text, #text, p{  
    color:rgb(2, 47, 48)  
}
```

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(2, 47, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 47, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 14.700, 199.276 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(2, 47, 48) }
```

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

```
.border{ border-color:rgb(2, 47, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 47, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 47, 48); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 47, 48); box-shadow:4px  
4px 4px 4px rgb(2, 47, 48) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 14.700, 199.276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 47, 48) }
```

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

```
.background{ background-color: rgb(2, 47,  
48) }
```

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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