

Converting Colors

CIELCh(14, 31.326, 191.634)

Have a look what the booklet for
CIELCh(14, 31.326, 191.634)
contains.

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Color

CIELCh(16, 15.098, 193.627)

Conversions

Conversions Part 1

Format	Color
Hex	002D2C
RGB	0, 45, 44
RGB Percent	0%, 18%, 17%
CMY	0.9984, 0.8218, 0.8257
CMYK	0.99, 0.00, 0.02, 0.82
HSL	179°, 98%, 9%
HSV	179°, 99%, 18%
XYZ	1.4239, 2.0993, 2.7570
YIQ	31.4310, -26.4990, -9.8510

Conversions

Conversions Part 2

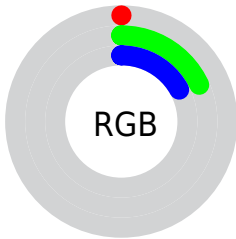
Format	Color
RYB	0, 23, 45
Decimal	11564
CIELab	16.00, -14.67, -3.56
CIELCh	16, 15.098, 193.627
Yxy	2.0993, 0.2267, 0.3343
Android (android.graphics.Color)	4278201644 (0xFF002D2C)
YUV	31.4310, 6.1965, -27.5650
Hunter-Lab	14.4890, -7.8139, -1.1396

Details

The CIELCh color **16, 15.098, 193.627** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **5, 23.337, 19.244**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 15.283, 192.694**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 15.193, 193.599**, and if you desaturate by 10%, it is **16, 14.068, 193.925**.

Distribution



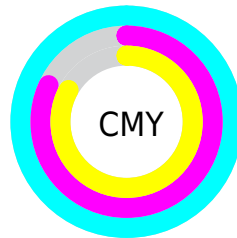
- Red (0%)
- Green (18%)
- Blue (17%)



- Red (0%)
- Yellow (9%)
- Blue (18%)



- Cyan (99%)
- Magenta (0%)
- Yellow (2%)
- Black (82%)





- Cyan (100%)
- Magenta (82%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 15.098, 193.627 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 16, 15.098, 193.627 by changing the saturation by 10% instead.

 16, 15.098,
193.627


 16, 15.098,
193.627


 100, 15.098,
193.627


 6, 15.098, 193.627


 36, 15.098,
193.627

 0, 15.098, 193.627

 46, 15.098,
193.627


 56, 15.098,
193.627


 66, 15.098,
193.627


 76, 15.098,
193.627


 86, 15.098,


193.627


 96, 15.098,
193.627


 16, 15.098,
193.627


 16, 15.098,
193.627

 16, 15.193,
193.599

 16, 14.068,
193.925

 16, 13.075,
194.241

 16, 12.020,
194.578

 17, 10.756,
194.941

 17, 9.297, 195.330

■ 17, 7.662, 195.746

■ 18, 5.872, 196.190

■ 18, 3.950, 196.664

■ 18, 1.920, 197.195

Harmonies

Complementary

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



16, 15.098, 193.627



5, 23.337, 19.244

Rectangle

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



16, 15.098, 193.627



16, 15.098, 243.627



16, 15.098, 13.627



16, 15.098, 63.627

Sweetspot

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



16, 15.098, 193.626



23, 7.453, 196.072



15, 32.898, 139.720



11, 5.135, 196.044



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



16, 15.098, 193.626



22, 17.850, 193.446



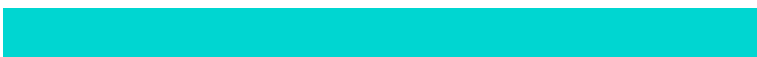
8, 16.890, 269.894



7, 1.113, 197.577



33, 23.200, 193.253



78, 44.704, 192.974

Inverse Universe

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



5, 23.337, 19.244



8, 30.880, 24.115



10, 18.036, 56.019



7, 1.113, 17.520



16, 43.431, 32.654



45, 90.731, 39.238

Previews

White Background



This preview shows how the CIELCh color 16, 15.098, 193.627 looks on a white background.

Color Contrast Check

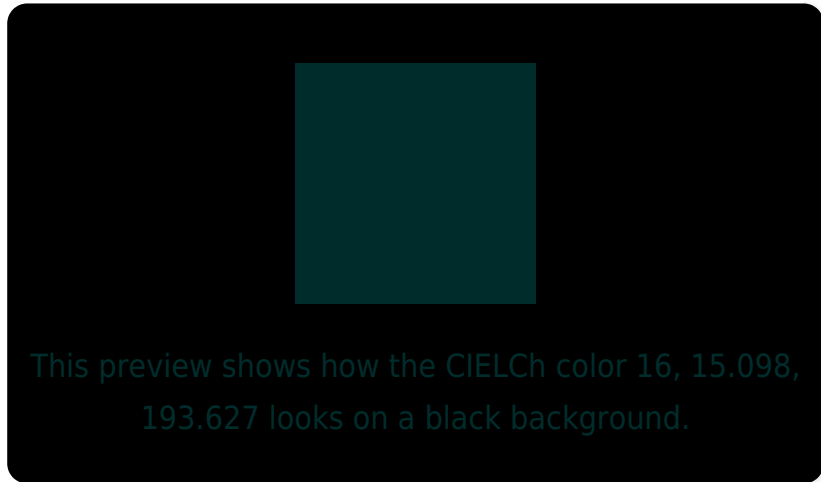
Large Text (above 18pt) WCAG AA ✓ Pass

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

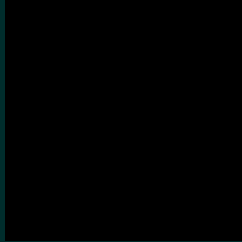
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 15.098, 193.627

Background



This preview shows how black text looks on a background with the CIELCh color 16, 15.098, 193.627.



This preview shows how white text looks on a background with the CIELCh color 16, 15.098, 193.627.

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

16, 15.098, 193.627

Protanopia

16, 0.855, 324.446

Deuteranopia

16, 5.121, 307.142



Tritanopia
16, 12.603, 206.645

Trichromacy



Original Color
16, 15.098, 193.627

Protanomaly
16, 6.984, 197.907

Deuteranomaly
16, 6.507, 224.074

Tritanomaly
16, 13.292, 202.885

Monochromacy



Original Color
16, 15.098, 193.627

Achromatopsia
12, 0.003, 296.813

Achromatomaly
13, 7.030, 197.779

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 15.098, 193.627 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, 45, 44)` looks like.

```
.text, #text, p{  
    color:rgb(0, 45, 44)  
}
```

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, 45, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 45, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 15.098, 193.627 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, 45, 44) }
```

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

```
.border{ border-color:rgb(0, 45, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 45, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 45, 44); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 45, 44); box-shadow:4px  
4px 4px 4px rgb(0, 45, 44) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 15.098, 193.627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 45, 44) }
```

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

```
.background{ background-color: rgb(0, 45,  
44) }
```

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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