

Converting Colors

CIELCh(16, 15.295, 170.211)

Have a look what the booklet for
CIELCh(16, 15.295, 170.211)
contains.

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Color

CIELCh(16, 14.922, 171.205)

Conversions

Conversions Part 1

Format	Color
Hex	0C2D24
RGB	12, 45, 36
RGB Percent	5%, 18%, 14%
CMY	0.9521, 0.8228, 0.8581
CMYK	0.73, 0.00, 0.20, 0.82
HSL	164°, 57%, 11%
HSV	164°, 73%, 18%
XYZ	1.4213, 2.0993, 2.0138
YIQ	34.1070, -16.7790, -9.7950

Conversions

Conversions Part 2

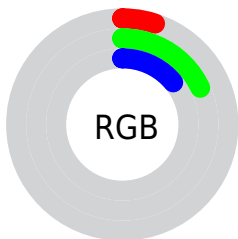
Format	Color
R_{YB}	12, 31, 45
Decimal	797988
CIE Lab	16.00, -14.75, 2.28
CIE LCh	16, 14.922, 171.205
Yxy	2.0993, 0.2568, 0.3793
Android (android.graphics.Color)	4278988068 (0xFF0C2D24)
YUV	34.1070, 0.9332, -19.3878
Hunter-Lab	14.4890, -7.8453, 1.9018

Details

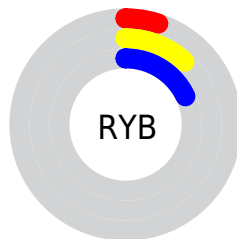
The CIELCh color **16, 14.922, 171.205** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **8, 18.131, 6.549**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 15.037, 170.326**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 16.433, 170.015**, and if you desaturate by 10%, it is **16, 13.261, 172.338**.

Distribution



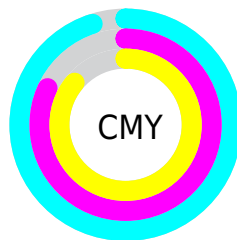
- Red (5%)
- Green (18%)
- Blue (14%)



- Red (5%)
- Yellow (12%)
- Blue (18%)



- Cyan (73%)
- Magenta (0%)
- Yellow (20%)
- Black (82%)



- Cyan (95%)
- Magenta (82%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 14.922, 171.205 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, 14.922, 171.205 by changing the saturation by 10% instead.

■ 16, 14.922,
171.205

■ 16, 14.922,
171.205

■ 100, 14.922,
171.205

■ 6, 14.922, 171.205

■ 36, 14.922,
171.205

■ 0, 14.922, 171.205

■ 46, 14.922,
171.205


■ 56, 14.922,
171.205


■ 66, 14.922,
171.205


■ 76, 14.922,
171.205


■ 86, 14.922,


171.205


 96, 14.922,
171.205


 16, 14.922,
171.205


 16, 14.922,
171.205

 16, 16.433,
170.015

 16, 13.261,
172.338

 16, 17.980,
169.027

 16, 11.435,
173.383

 15, 19.107,
168.456

 17, 9.467, 174.352

 17, 7.384, 175.256

 18, 5.209, 176.109

 18, 2.969, 176.930

■ 18, 0.684, 177.881

■ 19, 1.625, 358.239

■ 19, 3.943, 358.990

Harmonies

Complementary

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



16, 14.922, 171.205



8, 18.131, 6.549

Rectangle

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



16, 14.922, 171.205



16, 14.922, 221.205



16, 14.922, 351.205



16, 14.922, 41.205

Sweetspot

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



16, 14.922, 171.204



23, 6.212, 176.085



16, 24.471, 133.908



11, 4.222, 176.077



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, 14.922, 171.204



21, 20.881, 168.651



14, 10.500, 227.006



7, 1.207, 177.305



32, 30.321, 165.811



76, 60.063, 163.831

Inverse Universe

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



8, 18.131, 6.549



10, 26.416, 11.795



10, 15.609, 37.399



7, 1.198, 358.394



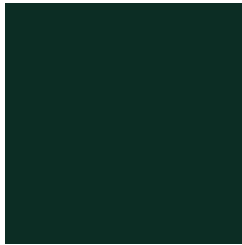
16, 39.485, 18.645



45, 78.243, 24.108

Previews

White Background



This preview shows how the CIELCh color 16, 14.922, 171.205 looks on a white background.

Color Contrast Check

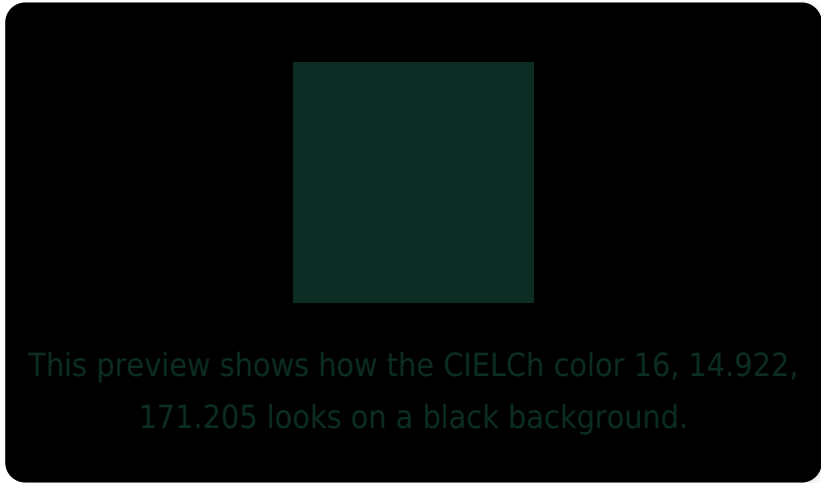
Large Text (above 18pt) WCAG AA ✓ Pass

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

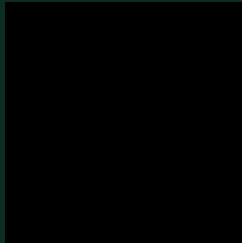
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 14.922, 171.205

Background



This preview shows how black text looks on a background with the CIELCh color 16, 14.922, 171.205.



This preview shows how white text looks on a background with the CIELCh color 16, 14.922, 171.205.

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, 14.922, 171.205

Protanopia

16, 4.980, 97.027

Deuteranopia

16, 3.062, 33.131



Tritanopia
16, 10.218, 209.387

Trichromacy



Original Color
16, 14.922, 171.205

Protanomaly
16, 7.765, 151.660

Deuteranomaly
16, 4.775, 162.344

Tritanomaly
16, 11.136, 193.422

Monochromacy



Original Color
16, 14.922, 171.205

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 6.035, 177.191

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 14.922, 171.205 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(12, 45, 36)` looks like.

```
.text, #text, p{  
    color:rgb(12, 45, 36)  
}
```

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(12, 45, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 45, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 14.922, 171.205 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(12, 45, 36) }
```

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

```
.border{ border-color:rgb(12, 45, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 45, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 45, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 45, 36);  
box-shadow:4px 4px 4px 4px rgb(12, 45, 36)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 14.922, 171.205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 45, 36) }
```

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

```
.background{ background-color: rgb(12, 45,  
36) }
```

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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