

Converting Colors

CIELCh(15, 33.606, 170.112)

Have a look what the booklet for
CIELCh(15, 33.606, 170.112)
contains.

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Color

CIELCh(16, 22.032, 160.505)

Conversions

Conversions Part 1

Format	Color
Hex	002F1D
RGB	0, 47, 29
RGB Percent	0%, 18%, 11%
CMY	1.0000, 0.8167, 0.8872
CMYK	1.00, 0.00, 0.38, 0.82
HSL	157°, 100%, 9%
HSV	157°, 100%, 18%
XYZ	1.2229, 2.0993, 1.4883
YIQ	30.8950, -22.2340, -15.5620

Conversions

Conversions Part 2

Format	Color
RYB	0, 29, 47
Decimal	12061
CIELab	16.00, -20.77, 7.35
CIELCh	16, 22.032, 160.505
Yxy	2.0993, 0.2542, 0.4364
Android (android.graphics.Color)	4278202141 (0xFF002F1D)
YUV	30.8950, -0.9342, -27.0949
Hunter-Lab	14.4890, -10.2900, 4.0520

Details

The CIELCh color **16, 22.032, 160.505** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **6, 24.700, 2.345**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 22.273, 160.901**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 21.986, 160.433**, and if you desaturate by 10%, it is **16, 20.091, 161.340**.

Distribution



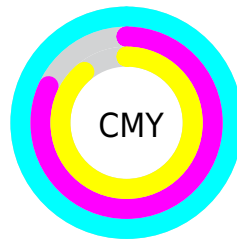
- Red (0%)
- Green (18%)
- Blue (11%)



- Red (0%)
- Yellow (11%)
- Blue (18%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (82%)



- Cyan (100%)
- Magenta (82%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 22.032, 160.505 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, 22.032, 160.505 by changing the saturation by 10% instead.

■ 16, 22.032,
160.505

■ 16, 22.032,
160.505

■ 100, 22.032,
160.505

■ 6, 22.032, 160.505

■ 36, 22.032,
160.505

■ 0, 22.032, 160.505

■ 46, 22.032,
160.505


■ 56, 22.032,
160.505


■ 66, 22.032,
160.505


■ 76, 22.032,
160.505


■ 86, 22.032,


160.505


 96, 22.032,
160.505


 16, 22.032,
160.505


 16, 22.032,
160.505


 16, 21.986,
160.433

 16, 20.091,
161.340

 16, 18.263,
162.508

 17, 16.408,
163.823

 17, 14.380,
165.021

 17, 12.200,
166.112

■ 18, 9.896, 167.110

■ 18, 7.498, 168.030

■ 18, 5.032, 168.885

■ 19, 2.525, 169.702

Harmonies

Complementary

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



16, 22.032, 160.505



6, 24.700, 2.345

Rectangle

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



16, 22.032, 160.505



16, 22.032, 210.505



16, 22.032, 340.505



16, 22.032, 30.505

Sweetspot

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



16, 21.986, 160.433



24, 9.391, 167.876



16, 30.757, 131.489



10, 6.253, 167.843



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

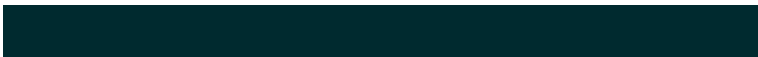
The Same Dimension uses a secret algorithm to generate beautiful new colors.



16, 21.986, 160.433



22, 26.676, 159.068



15, 13.776, 210.787



7, 1.289, 169.789



32, 34.507, 157.677



76, 68.991, 155.518

Inverse Universe

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



6, 24.700, 2.345



10, 30.463, 5.704



6, 22.832, 25.645



7, 1.274, 350.966



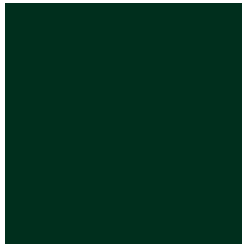
16, 38.502, 8.747



46, 74.690, 13.743

Previews

White Background



This preview shows how the CIELCh color 16, 22.032, 160.505 looks on a white background.

Color Contrast Check

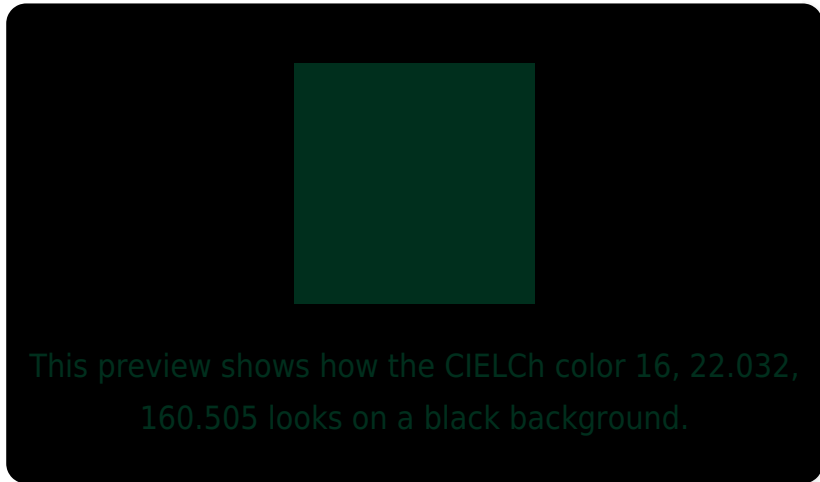
Large Text (above 18pt) WCAG AA ✓ Pass

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

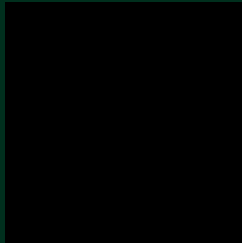
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 22.032, 160.505

Background



This preview shows how black text looks on a background with the CIELCh color 16, 22.032, 160.505.



This preview shows how white text looks on a background with the CIELCh color 16, 22.032, 160.505.

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, 22.032, 160.505

Protanopia
16, 10.473, 98.576

Deuteranopia
16, 7.360, 68.681



Tritanopia
16, 10.518, 213.010

Trichromacy



Original Color
16, 22.032, 160.505

Protanomaly
16, 13.395, 140.855

Deuteranomaly
16, 10.020, 140.850

Tritanomaly
16, 13.400, 184.436

Monochromacy



Original Color
16, 22.032, 160.505

Achromatopsia
12, 0.003, 296.813

Achromatomaly
13, 9.480, 165.141

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 22.032, 160.505 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, 47, 29)` looks like.

```
.text, #text, p{  
    color:rgb(0, 47, 29)  
}
```

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, 47, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 47, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 22.032, 160.505 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, 47, 29) }
```

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

```
.border{ border-color:rgb(0, 47, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 47, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 47, 29); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 47, 29); box-shadow:4px  
4px 4px 4px rgb(0, 47, 29) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 22.032, 160.505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 47, 29) }
```

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

```
.background{ background-color: rgb(0, 47,  
29) }
```

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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