

Converting Colors

CIELCh(16, 16.790, 179.403)

Have a look what the booklet for
CIELCh(16, 16.790, 179.403)
contains.

CIELCh(16, 16.842, 178.918)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(16, 16.842, 178.918)

Conversions

Conversions Part 1

Format	Color
Hex	012E27
RGB	1, 46, 39
RGB Percent	0%, 18%, 15%
CMY	0.9964, 0.8199, 0.8474
CMYK	0.98, 0.00, 0.15, 0.82
HSL	171°, 96%, 9%
HSV	171°, 98%, 18%
XYZ	1.3501, 2.0993, 2.2465
YIQ	31.7470, -24.5730, -11.7170

Conversions

Conversions Part 2

Format	Color
R_{YB}	1, 25, 46
Decimal	77351
CIE _{Lab}	16.00, -16.84, 0.32
CIE _{LCh}	16, 16.842, 178.918
Yxy	2.0993, 0.2370, 0.3686
Android (android.graphics.Color)	4278267431 (0xFF012E27)
YUV	31.7470, 3.5757, -26.9651
Hunter-Lab	14.4890, -8.7225, 0.9495

Details

The CIELCh color **16, 16.842, 178.918** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **6, 23.359, 13.695**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 16.563, 179.671**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 17.110, 178.781**, and if you desaturate by 10%, it is **16, 15.548, 179.667**.

Distribution



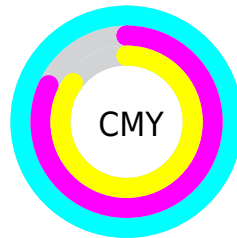
- Red (0%)
- Green (18%)
- Blue (15%)



- Red (0%)
- Yellow (10%)
- Blue (18%)



- Cyan (98%)
- Magenta (0%)
- Yellow (15%)
- Black (82%)





- Cyan (100%)
- Magenta (82%)
- Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 16.842, 178.918 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, 16.842, 178.918 by changing the saturation by 10% instead.

 16, 16.842,
178.918


 16, 16.842,
178.918


 100, 16.842,
178.918


 6, 16.842, 178.918


 36, 16.842,
178.918

 0, 16.842, 178.918

 46, 16.842,
178.918


 56, 16.842,
178.918


 66, 16.842,
178.918


 76, 16.842,
178.918


 86, 16.842,


178.918


 96, 16.842,
178.918

 16, 16.842,
178.918


 16, 16.842,
178.918

 16, 17.110,
178.781

 16, 15.548,
179.667

 16, 14.311,
180.559

 17, 12.994,
181.493

 17, 11.482,
182.369

 17, 9.794, 183.197

■ 17, 7.953, 183.987

■ 18, 5.984, 184.749

■ 18, 3.911, 185.493

■ 19, 1.760, 186.257

Harmonies

Complementary

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



16, 16.842, 178.918



6, 23.359, 13.695

Rectangle

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



16, 16.842, 178.918



16, 16.842, 228.918



16, 16.842, 358.918



16, 16.842, 48.918

Sweetspot

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



16, 16.842, 178.917



23, 7.583, 184.556



16, 31.766, 137.054



11, 5.256, 184.497



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, 16.842, 178.917



21, 20.125, 177.964



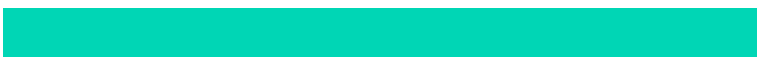
10, 13.941, 250.959



7, 1.145, 186.343



32, 26.415, 176.912



77, 51.638, 175.428

Inverse Universe

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



6, 23.359, 13.695



8, 30.178, 18.655



9, 18.994, 42.160



7, 1.142, 7.067



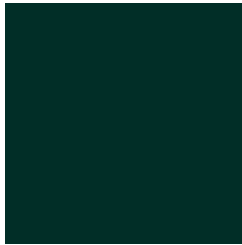
16, 41.426, 26.925



45, 84.373, 33.124

Previews

White Background



This preview shows how the CIELCh color 16, 16.842, 178.918 looks on a white background.

Color Contrast Check

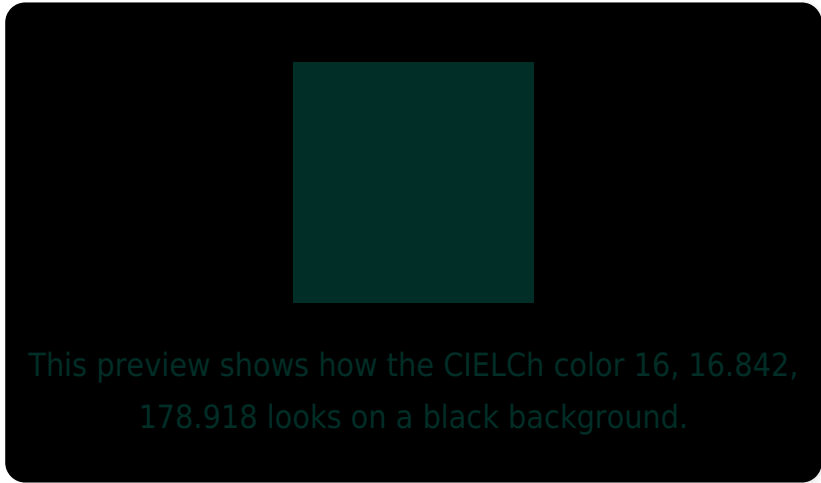
Large Text (above 18pt) WCAG AA ✓ Pass

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, 16.842, 178.918

Background



This preview shows how black text looks on a background with the CIELCh color 16, 16.842, 178.918.



This preview shows how white text looks on a background with the CIELCh color 16, 16.842, 178.918.

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, 16.842, 178.918

Protanopia
16, 2.958, 89.678

Deuteranopia
16, 2.542, 4.039



Tritanopia
16, 11.767, 207.493

Trichromacy



Original Color
16, 16.842, 178.918

Protanomaly
16, 7.813, 170.891

Deuteranomaly
16, 6.507, 185.451

Tritanomaly
16, 12.925, 196.768

Monochromacy



Original Color
16, 16.842, 178.918

Achromatopsia
12, 0.003, 296.813

Achromatomaly
13, 7.362, 186.364

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 16.842, 178.918 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, 46, 39)` looks like.

```
.text, #text, p{  
    color:rgb(1, 46, 39)  
}
```

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, 46, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 46, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 16.842, 178.918 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, 46, 39) }
```

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

```
.border{ border-color:rgb(1, 46, 39) }
```

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

Here you see how a box with a 4 pixel rgb(1, 46, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 46, 39); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 46, 39); box-shadow:4px  
4px 4px 4px rgb(1, 46, 39) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 16.842, 178.918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 46, 39) }
```

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

```
.background{ background-color: rgb(1, 46,  
39) }
```

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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