

Converting Colors

CIELCh(16, 18.245, 166.397)

Have a look what the booklet for
CIELCh(16, 18.245, 166.397)
contains.

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Color

CIELCh(16, 18.399, 166.035)

Conversions

Conversions Part 1

Format	Color
Hex	052E21
RGB	5, 46, 33
RGB Percent	2%, 18%, 13%
CMY	0.9802, 0.8195, 0.8705
CMYK	0.89, 0.00, 0.28, 0.82
HSL	161°, 80%, 10%
HSV	161°, 89%, 18%
XYZ	1.3164, 2.0993, 1.7771
YIQ	32.2590, -20.2630, -12.7350

Conversions

Conversions Part 2

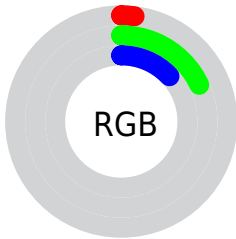
Format	Color
R_{YB}	5, 29, 46
Decimal	339489
CIE _{Lab}	16.00, -17.86, 4.44
CIE _{LCh}	16, 18.399, 166.035
Yxy	2.0993, 0.2535, 0.4043
Android (android.graphics.Color)	4278529569 (0xFF052E21)
YUV	32.2590, 0.3653, -23.9061
Hunter-Lab	14.4890, -9.1378, 2.8701

Details

The CIELCh color **16, 18.399, 166.035** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **7, 21.878, 5.720**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 18.272, 166.336**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 20.106, 165.132**, and if you desaturate by 10%, it is **16, 16.760, 167.176**.

Distribution



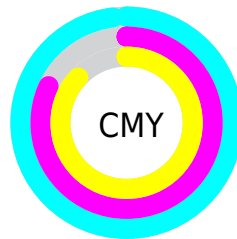
- Red (2%)
- Green (18%)
- Blue (13%)



- Red (2%)
- Yellow (11%)
- Blue (18%)



- Cyan (89%)
- Magenta (0%)
- Yellow (28%)
- Black (82%)



- Cyan (98%)
- Magenta (82%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 18.399, 166.035 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, 18.399, 166.035 by changing the saturation by 10% instead.

■ 16, 18.399,
166.035

■ 16, 18.399,
166.035

■ 100, 18.399,
166.035

■ 6, 18.399, 166.035

■ 36, 18.399,
166.035

■ 0, 18.399, 166.035

■ 46, 18.399,
166.035


■ 56, 18.399,
166.035


■ 66, 18.399,
166.035


■ 76, 18.399,
166.035


■ 86, 18.399,


166.035


 96, 18.399,
166.035


 16, 18.399,
166.035


 16, 18.399,
166.035


 16, 20.106,
165.132

 16, 16.760,
167.176

 16, 20.271,
165.058

 16, 15.081,
168.431

 17, 13.225,
169.578

 17, 11.216,
170.630

 17, 9.079, 171.602

■ 18, 6.841, 172.506

■ 18, 4.528, 173.357

■ 19, 2.165, 174.185

■ 19, 0.227, 354.098

Harmonies

Complementary

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



16, 18.399, 166.035



7, 21.878, 5.720

Rectangle

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



16, 18.399, 166.035



16, 18.399, 216.035



16, 18.399, 346.035



16, 18.399, 36.035

Sweetspot

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



16, 18.399, 166.034



23, 7.800, 172.561



16, 28.378, 133.153



11, 5.316, 172.544



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

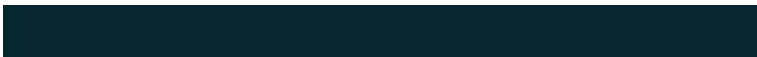
The Same Dimension uses a secret algorithm to generate beautiful new colors.



16, 18.399, 166.034



21, 24.030, 163.872



14, 12.178, 221.044



7, 1.237, 174.212



32, 31.935, 162.360



76, 63.519, 160.285

Inverse Universe

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



7, 21.878, 5.720



9, 29.646, 10.100



8, 19.618, 30.052



7, 1.225, 355.362



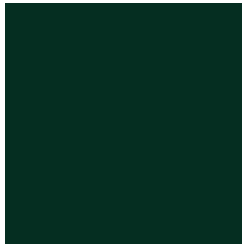
16, 38.935, 14.796



45, 76.503, 20.161

Previews

White Background



This preview shows how the CIELCh color 16, 18.399, 166.035 looks on a white background.

Color Contrast Check

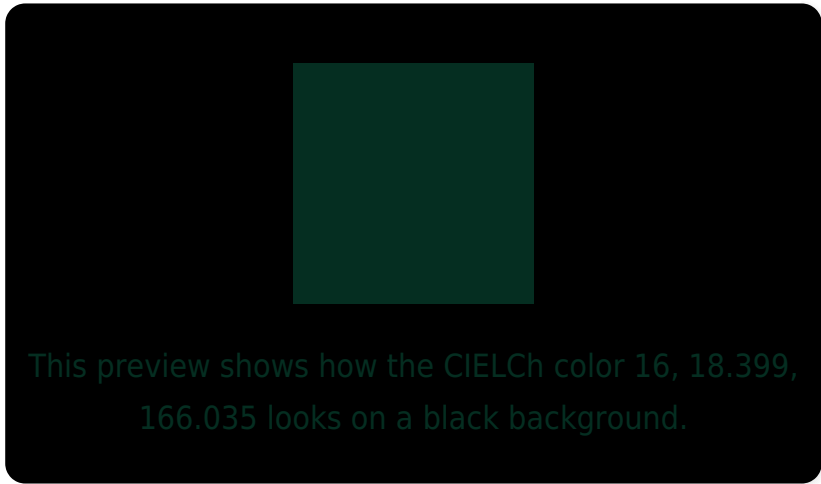
Large Text (above 18pt) WCAG AA ✓ Pass

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, 18.399, 166.035

Background



This preview shows how black text looks on a background with the CIELCh color 16, 18.399, 166.035.



This preview shows how white text looks on a background with the CIELCh color 16, 18.399, 166.035.

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, 18.399, 166.035

Protanopia

16, 7.130, 95.597

Deuteranopia

16, 4.541, 57.683



Tritanopia
16, 10.777, 212.580

Trichromacy



Original Color
16, 18.399, 166.035

Protanomaly
16, 10.018, 147.215

Deuteranomaly
16, 7.765, 151.660

Tritanomaly
16, 12.654, 190.365

Monochromacy



Original Color
16, 18.399, 166.035

Achromatopsia
12, 0.003, 296.813

Achromatomaly
13, 7.926, 170.575

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 18.399, 166.035 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(5, 46, 33)` looks like.

```
.text, #text, p{  
    color:rgb(5, 46, 33)  
}
```

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(5, 46, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 46, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 18.399, 166.035 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(5, 46, 33) }
```

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

```
.border{ border-color:rgb(5, 46, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 46, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 46, 33); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 46, 33); box-shadow:4px  
4px 4px 4px rgb(5, 46, 33) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 18.399, 166.035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 46, 33) }
```

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

```
.background{ background-color: rgb(5, 46,  
33) }
```

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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