

Converting Colors

CIELCh(16, 33.207, 141.518)

Have a look what the booklet for
CIELCh(16, 33.207, 141.518)
contains.

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Color

CIELCh(16, 33.183, 141.390)

Conversions

Conversions Part 1

Format	Color
Hex	003005
RGB	0, 48, 5
RGB Percent	0%, 19%, 2%
CMY	1.0000, 0.8129, 0.9820
CMYK	1.00, 0.00, 0.90, 0.81
HSL	126°, 100%, 9%
HSV	126°, 100%, 19%
XYZ	1.0683, 2.0993, 0.4810
YIQ	28.7460, -14.8050, -23.5490

Conversions

Conversions Part 2

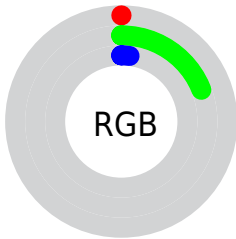
Format	Color
RYB	0, 43, 48
Decimal	12293
CIELab	16.00, -25.93, 20.71
CIELCh	16, 33.183, 141.390
Yxy	2.0993, 0.2928, 0.5754
Android (android.graphics.Color)	4278202373 (0xFF003005)
YUV	28.7460, -11.7068, -25.2102
Hunter-Lab	14.4890, -12.1944, 8.1741

Details

The CIELCh color **16, 33.183, 141.390** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **7, 33.297, 331.678**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 33.376, 140.996**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 33.151, 141.328**, and if you desaturate by 10%, it is **16, 30.702, 141.182**.

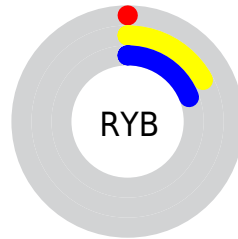
Distribution



Red (0%)

Green (19%)

Blue (2%)



Red (0%)

Yellow (17%)

Blue (19%)

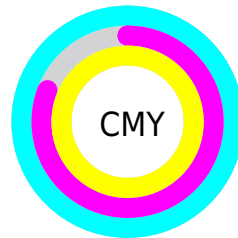


Cyan (100%)

Magenta (0%)

Yellow (90%)

Black (81%)



Cyan (100%)


Magenta (81%)


Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 33.183, 141.390 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, 33.183, 141.390 by changing the saturation by 10% instead.

 16, 33.183,
141.390


 16, 33.183,
141.390


 100, 33.183,
141.390


 6, 33.183, 141.390


 36, 33.183,
141.390

 0, 33.183, 141.390

 46, 33.183,
141.390


 56, 33.183,
141.390


 66, 33.183,
141.390


 76, 33.183,
141.390


 86, 33.183,


141.390


 96, 33.183,
141.390

 16, 33.183,
141.390


 16, 33.183,
141.390

 16, 33.151,
141.328

 16, 30.702,
141.182

 16, 28.242,
141.311

 17, 25.407,
141.984

 17, 22.133,
142.972

 17, 18.639,
143.896

■ 18, 14.999,
144.724

■ 18, 11.270,
145.460

■ 19, 7.502, 146.112

■ 19, 3.734, 146.693

Harmonies

Complementary

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



16, 33.183, 141.390



7, 33.297, 331.678

Rectangle

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



16, 33.183, 141.390



16, 33.183, 191.390



16, 33.183, 321.390



16, 33.183, 11.390

Sweetspot

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



16, 33.151, 141.328



24, 13.896, 145.350



18, 27.590, 108.633



10, 9.228, 145.569



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, 33.151, 141.328



21, 40.438, 138.897



16, 23.051, 158.361



7, 1.851, 147.080



31, 52.240, 137.831



75, 103.111, 136.767

Inverse Universe

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



7, 33.297, 331.678



11, 39.024, 331.905



6, 25.396, 0.497



7, 1.845, 327.248



18, 49.101, 332.139



50, 93.869, 332.531

Previews

White Background



This preview shows how the CIELCh color 16, 33.183, 141.390 looks on a white background.

Color Contrast Check

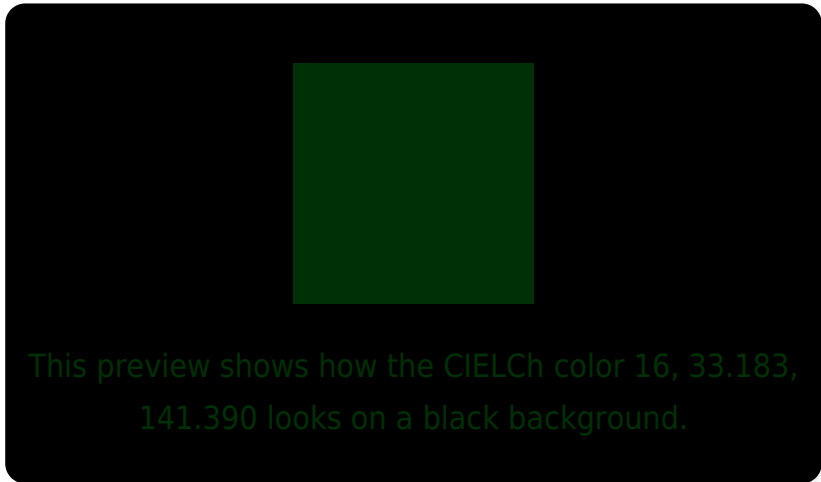
Large Text (above 18pt) WCAG AA ✓ Pass

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

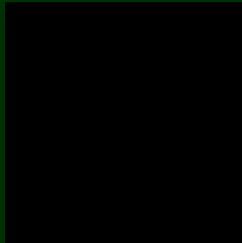
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 33.183, 141.390

Background



This preview shows how black text looks on a background with the CIELCh color 16, 33.183, 141.390.



This preview shows how white text looks on a background with the CIELCh color 16, 33.183, 141.390.

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](#).

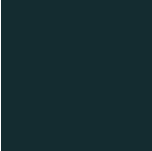
Dichromacy



Original Color
16, 33.183, 141.390

Protanopia
16, 23.855, 97.775

Deuteranopia
16, 19.434, 84.753



Tritanopia
16, 9.691, 214.526

Trichromacy



Original Color
16, 33.183, 141.390

Protanomaly
15, 25.292, 122.385

Deuteranomaly
15, 21.344, 119.998

Tritanomaly
16, 16.441, 162.435

Monochromacy



Original Color
16, 33.183, 141.390

Achromatopsia
11, 0.003, 296.813

Achromatomaly
12, 14.536, 144.720

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 33.183, 141.390 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, 48, 5)` looks like.

```
.text, #text, p{  
    color:rgb(0, 48, 5)  
}
```

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, 48, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 48, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 33.183, 141.390 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, 48, 5) }
```

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

```
.border{ border-color:rgb(0, 48, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 48, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 48, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 48, 5); box-shadow:4px  
4px 4px 4px rgb(0, 48, 5) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 33.183, 141.390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 48, 5) }
```

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

```
.background{ background-color: rgb(0, 48,  
5) }
```

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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