

Converting Colors

CIELCh(16, 29.123, 133.093)

Have a look what the booklet for
CIELCh(16, 29.123, 133.093)
contains.

CIELCh(16, 28.883, 133.241)	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, 28.883, 133.241)

Conversions

Conversions Part 1

Format	Color
Hex	122E04
RGB	18, 46, 4
RGB Percent	7%, 18%, 2%
CMY	0.9291, 0.8193, 0.9838
CMYK	0.61, 0.00, 0.91, 0.82
HSL	100°, 84%, 10%
HSV	100°, 91%, 18%
XYZ	1.2539, 2.0993, 0.4576
YIQ	32.8400, -3.2060, -18.9980

Conversions

Conversions Part 2

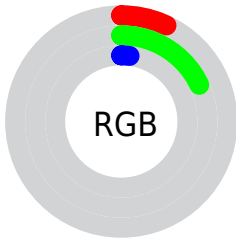
Format	Color
R_{YB}	4, 46, 32
Decimal	1191428
CIE _{Lab}	16.00, -19.79, 21.04
CIE _{LCh}	16, 28.883, 133.241
Yxy	2.0993, 0.3290, 0.5509
Android (android.graphics.Color)	4279381508 (0xFF122E04)
YUV	32.8400, -14.2181, -13.0147
Hunter-Lab	14.4890, -9.9080, 8.2697

Details

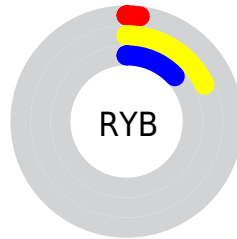
The CIELCh color **16, 28.883, 133.241** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **5, 30.637, 316.547**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 28.574, 133.335**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 30.977, 133.484**, and if you desaturate by 10%, it is **16, 26.530, 132.813**.

Distribution



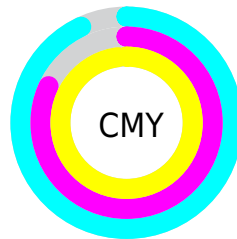
- Red (7%)
- Green (18%)
- Blue (2%)



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



- Cyan (61%)
- Magenta (0%)
- Yellow (91%)
- Black (82%)





- Cyan (93%)
- Magenta (82%)
- Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 28.883, 133.241 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, 28.883, 133.241 by changing the saturation by 10% instead.

 16, 28.883,
133.241


 16, 28.883,
133.241


 100, 28.883,
133.241


 6, 28.883, 133.241


 36, 28.883,
133.241

 0, 28.883, 133.241

 46, 28.883,
133.241


 56, 28.883,
133.241


 66, 28.883,
133.241


 76, 28.883,
133.241


 86, 28.883,


133.241


 96, 28.883,
133.241

 16, 28.883,
133.241

 16, 28.883,
133.241


 16, 30.977,
133.484

 16, 26.530,
132.813

 16, 24.051,
132.330

 17, 21.118,
132.266

 17, 17.814,
132.674

 17, 14.393,
133.111

■ 18, 10.906,
133.540

■ 18, 7.389, 133.950

■ 18, 3.867, 134.336

■ 19, 0.361, 134.839

Harmonies

Complementary

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



16, 28.883, 133.241



5, 30.637, 316.547

Rectangle

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



16, 28.883, 133.241



16, 28.883, 183.241



16, 28.883, 313.241



16, 28.883, 3.241

Sweetspot

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



16, 28.883, 133.241



23, 11.622, 133.650



13, 18.484, 79.822



11, 7.897, 133.822



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, 28.883, 133.241



21, 38.276, 131.683



16, 29.001, 142.886



7, 1.791, 135.042



32, 51.516, 131.422



76, 100.551, 132.656

Inverse Universe

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



5, 30.637, 316.547



7, 41.627, 317.567



7, 28.592, 334.166



7, 1.786, 314.358



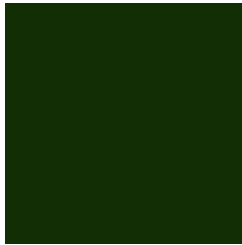
13, 54.648, 317.120



39, 105.698, 316.265

Previews

White Background



This preview shows how the CIELCh color 16, 28.883, 133.241 looks on a white background.

Color Contrast Check

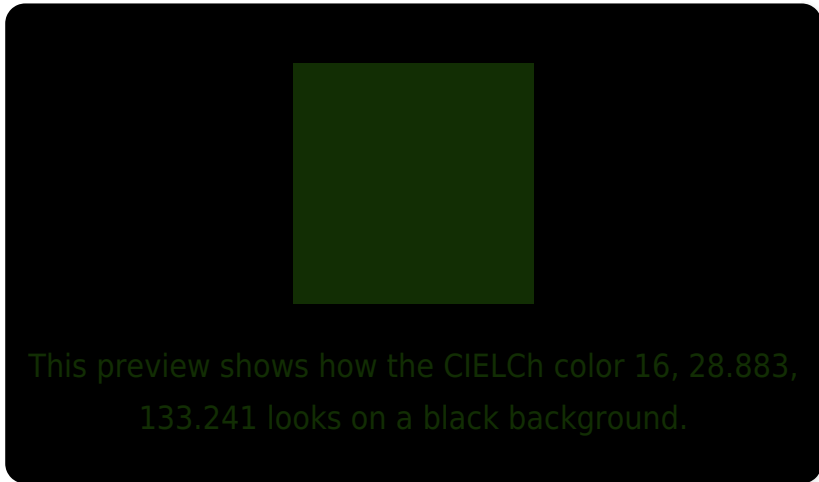
Large Text (above 18pt) WCAG AA ✓ Pass

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

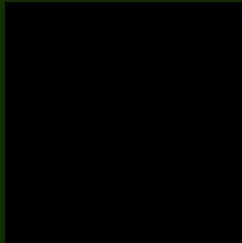
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 28.883, 133.241

Background



This preview shows how black text looks on a background with the CIELCh color 16, 28.883, 133.241.



This preview shows how white text looks on a background with the CIELCh color 16, 28.883, 133.241.

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

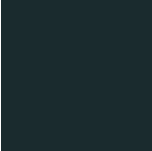
16, 28.883, 133.241

Protanopia

16, 23.246, 97.734

Deuteranopia

16, 19.248, 84.529



Tritanopia
16, 7.371, 214.676

Trichromacy



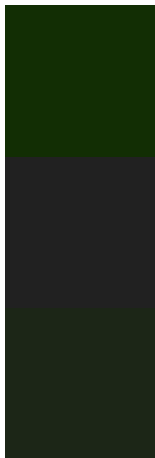
Original Color
16, 28.883, 133.241

Protanomaly
16, 23.748, 114.413

Deuteranomaly
16, 20.449, 109.928

Tritanomaly
16, 13.443, 154.239

Monochromacy



Original Color
16, 28.883, 133.241

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 11.755, 133.229

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 28.883, 133.241 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(18, 46, 4)` looks like.

```
.text, #text, p{  
    color:rgb(18, 46, 4)  
}
```

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(18, 46, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 46, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 28.883, 133.241 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(18, 46, 4) }
```

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

```
.border{ border-color:rgb(18, 46, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 46, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 46, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(18, 46, 4); box-shadow:4px  
4px 4px 4px rgb(18, 46, 4) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 28.883, 133.241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 46, 4) }
```

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

```
.background{ background-color: rgb(18, 46,  
4) }
```

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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