

Converting Colors

CIELCh(16, 28.937, 139.804)

Have a look what the booklet for
CIELCh(16, 28.937, 139.804)
contains.

CIELCh(16, 28.922, 139.703)	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, 28.922, 139.703)

Conversions

Conversions Part 1

Format	Color
Hex	0A2F0A
RGB	10, 47, 10
RGB Percent	4%, 18%, 4%
CMY	0.9616, 0.8166, 0.9620
CMYK	0.79, 0.00, 0.79, 0.82
HSL	120°, 66%, 11%
HSV	120°, 79%, 18%
XYZ	1.1829, 2.0993, 0.6209
YIQ	31.7190, -10.1750, -19.3510

Conversions

Conversions Part 2

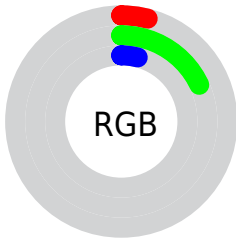
Format	Color
RYB	10, 47, 47
Decimal	667402
CIELab	16.00, -22.06, 18.71
CIELCh	16, 28.922, 139.703
Yxy	2.0993, 0.3031, 0.5378
Android (android.graphics.Color)	4278857482 (0xFF0A2F0A)
YUV	31.7190, -10.7075, -19.0476
Hunter-Lab	14.4890, -10.7822, 7.6015

Details

The CIELCh color **16, 28.922, 139.703** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **9, 28.999, 327.538**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 29.201, 139.764**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 31.431, 139.725**, and if you desaturate by 10%, it is **16, 26.214, 139.871**.

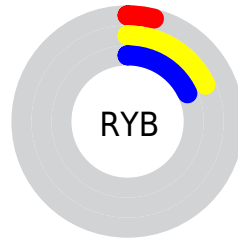
Distribution



Red (4%)

Green (18%)

Blue (4%)



Red (4%)

Yellow (18%)

Blue (18%)

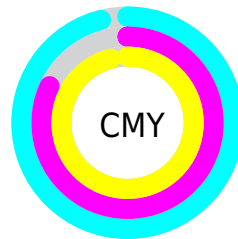


Cyan (79%)

Magenta (0%)

Yellow (79%)

Black (82%)



Cyan (96%)

Magenta (82%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 28.922, 139.703 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, 28.922, 139.703 by changing the saturation by 10% instead.

■ 16, 28.922,
139.703

■ 16, 28.922,
139.703

■ 100, 28.922,
139.703

■ 6, 28.922, 139.703

■ 36, 28.922,
139.703

■ 0, 28.922, 139.703

■ 46, 28.922,
139.703


■ 56, 28.922,
139.703


■ 66, 28.922,
139.703


■ 76, 28.922,
139.703


■ 86, 28.922,


139.703


 96, 28.922,
139.703

 16, 28.922,
139.703


 16, 28.922,
139.703


 16, 31.431,
139.725


 16, 26.214,
139.871


 16, 34.041,
139.898

 17, 22.939,
140.450

 16, 34.228,
139.915

 17, 19.289,
141.306

 17, 15.472,
142.087

 18, 11.558,
142.786

■ 18, 7.600, 143.406

■ 19, 3.644, 143.959

■ 19, 0.277, 324.064

■ 20, 4.137, 324.791

Harmonies

Complementary

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



16, 28.922, 139.703



9, 28.999, 327.538

Rectangle

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



16, 28.922, 139.703



16, 28.922, 189.703



16, 28.922, 319.703



16, 28.922, 9.703

Sweetspot

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



16, 28.922, 139.703



24, 11.868, 143.038



18, 22.753, 103.765



10, 7.955, 143.056



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, 28.922, 139.703



22, 40.972, 137.230



16, 20.530, 155.209



7, 1.972, 144.405



31, 54.563, 135.990



75, 104.998, 136.007

Inverse Universe

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



9, 28.999, 327.538



12, 40.194, 328.020



8, 21.448, 350.534



7, 1.975, 324.340



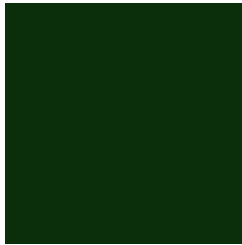
19, 52.668, 328.138



51, 101.329, 328.129

Previews

White Background



This preview shows how the CIELCh color 16, 28.922, 139.703 looks on a white background.

Color Contrast Check

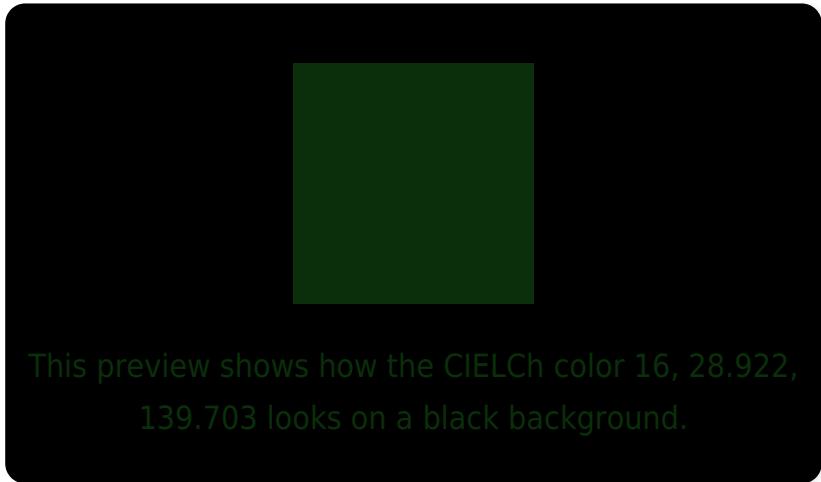
Large Text (above 18pt) WCAG AA ✓ Pass

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

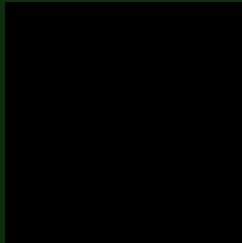
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 28.922, 139.703

Background



This preview shows how black text looks on a background with the CIELCh color 16, 28.922, 139.703.



This preview shows how white text looks on a background with the CIELCh color 16, 28.922, 139.703.

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](#).

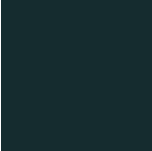
Dichromacy



Original Color
16, 28.922, 139.703

Protanopia
16, 20.039, 97.043

Deuteranopia
16, 17.537, 82.893



Tritanopia
16, 9.338, 210.696

Trichromacy



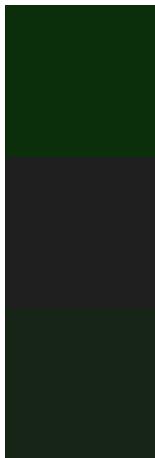
Original Color
16, 28.922, 139.703

Protanomaly
15, 21.344, 119.998

Deuteranomaly
15, 19.028, 115.434

Tritanomaly
16, 14.951, 162.192

Monochromacy



Original Color
16, 28.922, 139.703

Achromatopsia
12, 0.003, 296.813

Achromatomaly
13, 12.229, 142.411

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 28.922, 139.703 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(10, 47, 10)` looks like.

```
.text, #text, p{  
    color:rgb(10, 47, 10)  
}
```

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(10, 47, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 47, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 28.922, 139.703 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(10, 47, 10) }
```

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

```
.border{ border-color:rgb(10, 47, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 47, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 47, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 47, 10);  
box-shadow:4px 4px 4px 4px rgb(10, 47, 10)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 28.922, 139.703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 47, 10) }
```

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

```
.background{ background-color: rgb(10, 47,  
10) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor