

Converting Colors

CIELCh(19, 33.390, 138.544)

Have a look what the booklet for
CIELCh(19, 33.390, 138.544)
contains.

CIELCh(19, 33.415, 138.602)	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(19, 33.415, 138.602)

Conversions

Conversions Part 1

Format	Color
Hex	0A360A
RGB	10, 54, 10
RGB Percent	4%, 21%, 4%
CMY	0.9598, 0.7874, 0.9597
CMYK	0.81, 0.00, 0.81, 0.79
HSL	120°, 68%, 13%
HSV	120°, 81%, 21%
XYZ	1.5137, 2.7468, 0.7454
YIQ	35.8280, -12.1000, -23.0120

Conversions

Conversions Part 2

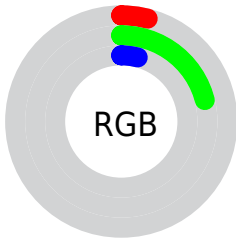
Format	Color
RYB	10, 54, 54
Decimal	669194
CIELab	19.00, -25.07, 22.10
CIELCh	19, 33.415, 138.602
Yxy	2.7468, 0.3024, 0.5487
Android (android.graphics.Color)	4278859274 (0xFF0A360A)
YUV	35.8280, -12.7332, -22.6512
Hunter-Lab	16.5735, -12.7011, 8.9349

Details

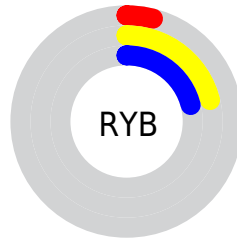
The CIELCh color **19, 33.415, 138.602** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **11, 33.032, 327.750**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 33.214, 138.168**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 36.121, 138.291**, and if you desaturate by 10%, it is **19, 30.331, 139.218**.

Distribution



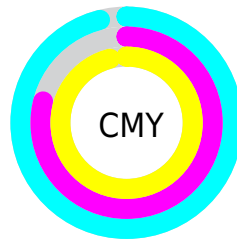
- Red (4%)
- Green (21%)
- Blue (4%)



- Red (4%)
- Yellow (21%)
- Blue (21%)



- Cyan (81%)
- Magenta (0%)
- Yellow (81%)
- Black (79%)





- Cyan (96%)
- Magenta (79%)
- Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 33.415, 138.602 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 19, 33.415, 138.602 by changing the saturation by 10% instead.

 19, 33.415,
138.602

 19, 33.415,
138.602


 100, 33.415,
138.602


 9, 33.415, 138.602


 39, 33.415,
138.602

 0, 33.415, 138.602

 49, 33.415,
138.602


 59, 33.415,
138.602


 69, 33.415,
138.602

 79, 33.415,
138.602


 89, 33.415,


138.602


 99, 33.415,
138.602


 19, 33.415,
138.602


 19, 33.415,
138.602


 19, 36.121,
138.291


 19, 30.331,
139.218

 19, 38.605,
138.154

 20, 26.620,
140.172

 20, 22.576,
141.085

 20, 18.305,
141.922

 21, 13.896,
142.673

■ 21, 9.419, 143.337

■ 22, 4.932, 143.924

■ 23, 0.479, 144.621

■ 23, 3.908, 324.813

Harmonies

Complementary

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



19, 33.415, 138.602



11, 33.032, 327.750

Rectangle

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



19, 33.415, 138.602



19, 33.415, 188.602



19, 33.415, 318.602



19, 33.415, 8.602

Sweetspot

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



19, 33.415, 138.602



28, 13.506, 143.071



22, 26.867, 104.079



13, 9.093, 143.008



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



19, 33.415, 138.602



25, 46.701, 136.462



19, 23.165, 155.416



10, 2.530, 144.073



33, 56.769, 136.026



77, 106.875, 136.019

Inverse Universe

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



11, 33.032, 327.750



15, 45.277, 328.187



10, 24.288, 352.422



9, 2.535, 324.817



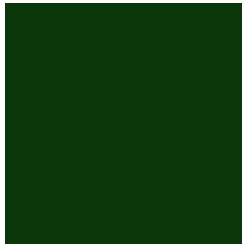
20, 54.765, 328.252



52, 103.083, 328.254

Previews

White Background



This preview shows how the CIELCh color 19, 33.415, 138.602 looks on a white background.

Color Contrast Check

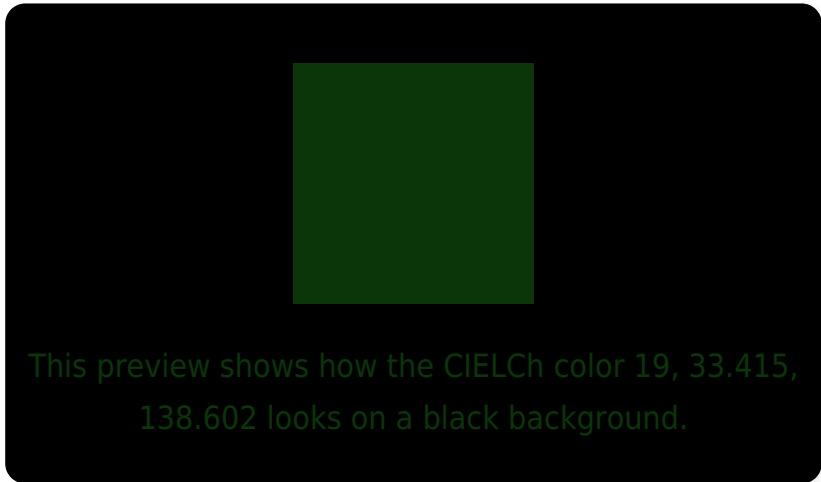
Large Text (above 18pt) WCAG AA ✓ Pass

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

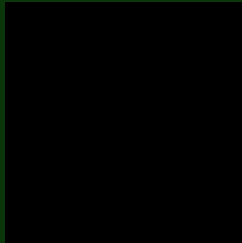
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 33.415, 138.602

Background



This preview shows how black text looks on a background with the CIELCh color 19, 33.415, 138.602.



This preview shows how white text looks on a background with the CIELCh color 19, 33.415, 138.602.

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](#).

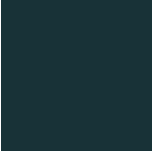
Dichromacy



Original Color
19, 33.415, 138.602

Protanopia
19, 24.129, 97.736

Deuteranopia
19, 20.869, 83.103



Tritanopia
19, 10.402, 217.069

Trichromacy



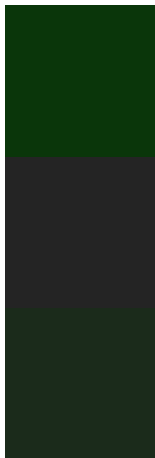
Original Color
19, 33.415, 138.602

Protanomaly
19, 26.140, 119.691

Deuteranomaly
18, 22.669, 114.367

Tritanomaly
19, 16.602, 163.862

Monochromacy



Original Color
19, 33.415, 138.602

Achromatopsia
14, 0.003, 296.813

Achromatomaly
16, 13.666, 142.353

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 33.415, 138.602 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, 54, 10)` looks like.

```
.text, #text, p{  
    color:rgb(10, 54, 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, 54, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 54, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 33.415, 138.602 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, 54, 10) }
```

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

```
.border{ border-color:rgb(10, 54, 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, 54, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 54, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 54, 10);  
box-shadow:4px 4px 4px 4px rgb(10, 54, 10)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 33.415, 138.602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 54, 10) }
```

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

```
.background{ background-color: rgb(10, 54,  
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