

Converting Colors

CIELCh(19, 37.390, 139.957)

Have a look what the booklet for
CIELCh(19, 37.390, 139.957)
contains.

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Color

CIELCh(19, 37.300, 139.637)

Conversions

Conversions Part 1

Format	Color
Hex	003705
RGB	0, 55, 5
RGB Percent	0%, 22%, 2%
CMY	0.9999, 0.7842, 0.9802
CMYK	1.00, 0.00, 0.91, 0.78
HSL	125°, 100%, 11%
HSV	125°, 100%, 22%
XYZ	1.3958, 2.7468, 0.6014
YIQ	32.8550, -16.7300, -27.2100

Conversions

Conversions Part 2

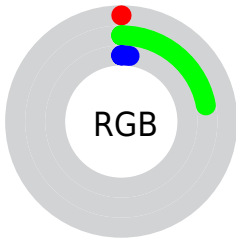
Format	Color
RYB	0, 50, 55
Decimal	14085
CIELab	19.00, -28.42, 24.16
CIELCh	19, 37.300, 139.637
Yxy	2.7468, 0.2942, 0.5790
Android (android.graphics.Color)	4278204165 (0xFF003705)
YUV	32.8550, -13.7325, -28.8138
Hunter-Lab	16.5735, -13.9711, 9.4500

Details

The CIELCh color **19, 37.300, 139.637** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **9, 36.607, 331.609**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 37.423, 139.851**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 37.313, 139.637**, and if you desaturate by 10%, it is **19, 34.700, 139.827**.

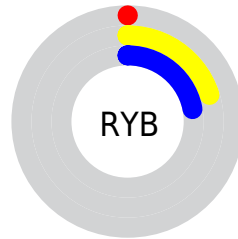
Distribution



Red (0%)

Green (22%)

Blue (2%)



Red (0%)

Yellow (20%)

Blue (22%)

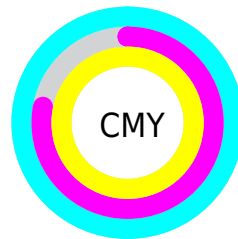


Cyan (100%)

Magenta (0%)

Yellow (91%)

Black (78%)



Cyan (100%)

Magenta (78%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 37.300, 139.637 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, 37.300, 139.637 by changing the saturation by 10% instead.

■ 19, 37.300,
139.637

■ 19, 37.300,
139.637

■ 100, 37.300,
139.637

■ 9, 37.300, 139.637

■ 39, 37.300,
139.637

■ 0, 37.300, 139.637

■ 49, 37.300,
139.637


■ 59, 37.300,
139.637


■ 69, 37.300,
139.637


■ 79, 37.300,
139.637


■ 89, 37.300,


139.637


 99, 37.300,
139.637


 19, 37.300,
139.637


 19, 37.300,
139.637


 19, 37.313,
139.637

 19, 34.700,
139.827

 19, 31.922,
140.484

 20, 28.627,
141.591

 20, 24.971,
142.647

 20, 21.052,
143.613

■ 21, 16.951,
144.478

■ 21, 12.738,
145.246

■ 22, 8.474, 145.922

■ 22, 4.207, 146.523

Harmonies

Complementary

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



19, 37.300, 139.637



9, 36.607, 331.609

Rectangle

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



19, 37.300, 139.637



19, 37.300, 189.637



19, 37.300, 319.637



19, 37.300, 9.637

Sweetspot

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



19, 37.300, 139.637



28, 15.862, 145.136



22, 31.475, 107.975



13, 10.604, 145.064



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, 37.300, 139.637



25, 45.490, 138.106



19, 25.537, 157.606



10, 2.377, 146.614



33, 54.600, 137.637



77, 105.128, 136.698

Inverse Universe

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



9, 36.607, 331.609



14, 43.284, 331.791



8, 28.537, 1.944



9, 2.382, 327.381



20, 51.247, 331.939



51, 95.929, 332.280

Previews

White Background



This preview shows how the CIELCh color 19, 37.300, 139.637 looks on a white background.

Color Contrast Check

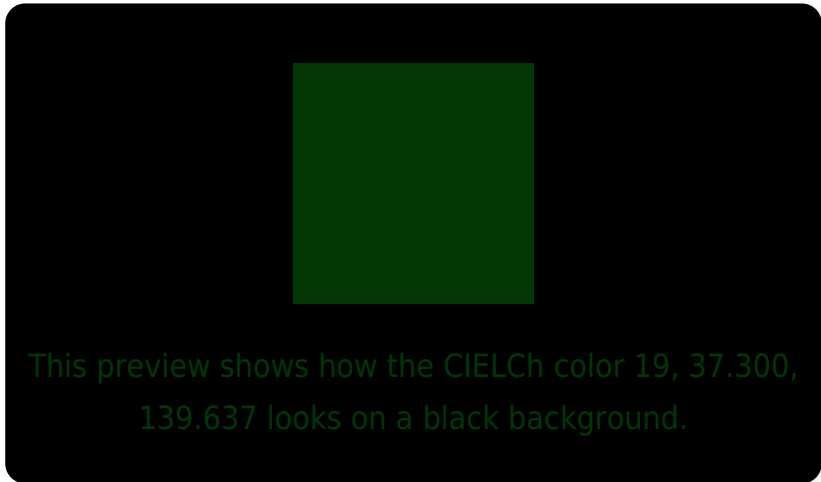
Large Text (above 18pt) WCAG AA ✓ Pass

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

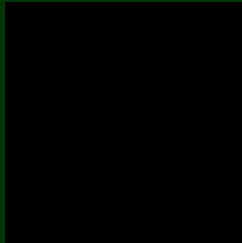
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 37.300, 139.637

Background



This preview shows how black text looks on a background with the CIELCh color 19, 37.300, 139.637.



This preview shows how white text looks on a background with the CIELCh color 19, 37.300, 139.637.

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, 37.300, 139.637

Protanopia
19, 27.437, 96.809

Deuteranopia
19, 22.360, 84.301



Tritanopia
19, 10.896, 212.185

Trichromacy



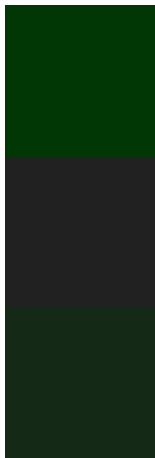
Original Color
19, 37.300, 139.637

Protanomaly
18, 29.316, 120.909

Deuteranomaly
18, 24.947, 118.147

Tritanomaly
19, 18.468, 162.181

Monochromacy



Original Color
19, 37.300, 139.637

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 15.985, 144.255

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 37.300, 139.637 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, 55, 5)` looks like.

```
.text, #text, p{  
    color:rgb(0, 55, 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, 55, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 55, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 37.300, 139.637 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, 55, 5) }
```

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

```
.border{ border-color:rgb(0, 55, 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, 55, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 55, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 55, 5); box-shadow:4px  
4px 4px 4px rgb(0, 55, 5) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 37.300, 139.637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 55, 5) }
```

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

```
.background{ background-color: rgb(0, 55,  
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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