

Converting Colors

CIELCh(19, 40.956, 133.287)

Have a look what the booklet for
CIELCh(19, 40.956, 133.287)
contains.

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Color

CIELCh(19, 37.845, 135.664)

Conversions

Conversions Part 1

Format	Color
Hex	083700
RGB	8, 55, 0
RGB Percent	3%, 22%, 0%
CMY	0.9700, 0.7857, 1.0000
CMYK	0.86, 0.00, 1.00, 0.79
HSL	112°, 100%, 11%
HSV	112°, 100%, 21%
XYZ	1.4425, 2.7468, 0.4412
YIQ	34.6770, -10.3570, -27.0690

Conversions

Conversions Part 2

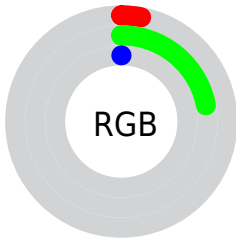
Format	Color
RYB	0, 55, 47
Decimal	538368
CIELab	19.00, -27.07, 26.45
CIELCh	19, 37.845, 135.664
Yxy	2.7468, 0.3115, 0.5932
Android (android.graphics.Color)	4278728448 (0xFF083700)
YUV	34.6770, -17.0958, -23.3957
Hunter-Lab	16.5735, -13.4676, 10.0233

Details

The CIELCh color **19, 37.845, 135.664** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **8, 39.100, 323.609**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 38.068, 135.462**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 37.683, 135.803**, and if you desaturate by 10%, it is **19, 35.047, 136.128**.

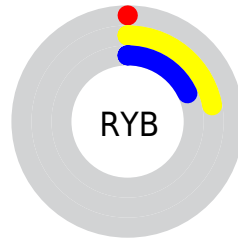
Distribution



Red (3%)

Green (22%)

Blue (0%)



Red (0%)

Yellow (22%)

Blue (18%)

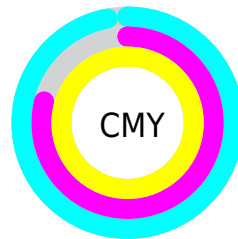


Cyan (86%)

Magenta (0%)

Yellow (100%)

Black (79%)



Cyan (97%)


Magenta (79%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 37.845, 135.664 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, 37.845, 135.664 by changing the saturation by 10% instead.

 19, 37.845,
135.664

 19, 37.845,
135.664

 100, 37.845,
135.664


 9, 37.845, 135.664


 39, 37.845,
135.664

 0, 37.845, 135.664

 49, 37.845,
135.664


 59, 37.845,
135.664


 69, 37.845,
135.664

 79, 37.845,
135.664


 89, 37.845,


135.664


 99, 37.845,
135.664


 19, 37.845,
135.664


 19, 37.845,
135.664


 19, 37.683,
135.803

 19, 35.047,
136.128

 19, 32.317,
136.265

 20, 29.088,
136.626

 20, 25.349,
137.289

 20, 21.349,
137.953

■ 21, 17.178,
138.586

■ 21, 12.907,
139.170

■ 22, 8.593, 139.700

■ 22, 4.278, 140.180

Harmonies

Complementary

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



19, 37.845, 135.664



8, 39.100, 323.609

Rectangle

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



19, 37.845, 135.664



19, 37.845, 185.664



19, 37.845, 315.664



19, 37.845, 5.664

Sweetspot

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



19, 37.683, 135.803



28, 16.144, 139.086



19, 27.370, 94.142



13, 10.793, 139.030



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, 37.683, 135.803



26, 46.608, 134.505



19, 31.585, 146.480



10, 2.420, 140.255



33, 55.772, 134.684



77, 105.899, 135.338

Inverse Universe

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



8, 39.100, 323.609



12, 46.595, 323.384



8, 30.968, 344.859



9, 2.430, 320.878



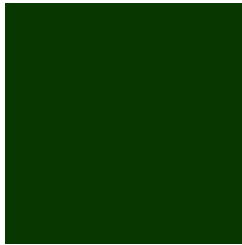
18, 55.331, 323.207



47, 104.283, 322.805

Previews

White Background



This preview shows how the CIELCh color 19, 37.845, 135.664 looks on a white background.

Color Contrast Check

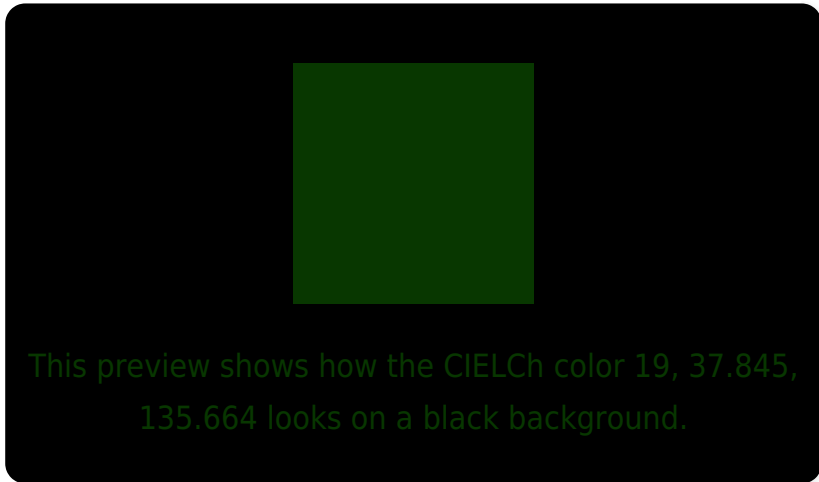
Large Text (above 18pt) WCAG AA ✓ Pass

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

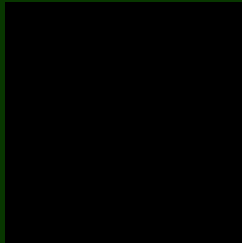
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 37.845, 135.664

Background



This preview shows how black text looks on a background with the CIELCh color 19, 37.845, 135.664.



This preview shows how white text looks on a background with the CIELCh color 19, 37.845, 135.664.

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, 37.845, 135.664

Protanopia

19, 27.437, 96.809

Deuteranopia

19, 22.516, 82.805



Tritanopia
19, 10.615, 212.630

Trichromacy



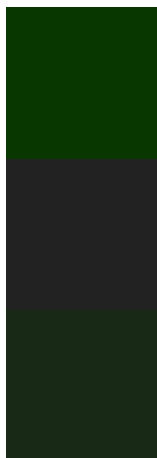
Original Color
19, 37.845, 135.664

Protanomaly
19, 29.653, 117.612

Deuteranomaly
18, 24.846, 114.522

Tritanomaly
19, 18.714, 157.666

Monochromacy



Original Color
19, 37.845, 135.664

Achromatopsia
13, 0.003, 296.813

Achromatomaly
15, 16.539, 139.283

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 37.845, 135.664 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(8, 55, 0)` looks like.

```
.text, #text, p{  
    color:rgb(8, 55, 0)  
}
```

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(8, 55, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 55, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 37.845, 135.664 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(8, 55, 0) }
```

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

```
.border{ border-color:rgb(8, 55, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 55, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 55, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(8, 55, 0); box-shadow:4px  
4px 4px 4px rgb(8, 55, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 37.845, 135.664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 55, 0) }
```

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

```
.background{ background-color: rgb(8, 55,  
0) }
```

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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