

Converting Colors

CIELCh(19, 37.644, 136.614)

Have a look what the booklet for
CIELCh(19, 37.644, 136.614)
contains.

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Color

CIELCh(19, 37.777, 136.561)

Conversions

Conversions Part 1

Format	Color
Hex	063701
RGB	6, 55, 1
RGB Percent	2%, 22%, 0%
CMY	0.9774, 0.7853, 0.9973
CMYK	0.89, 0.00, 0.99, 0.79
HSL	114°, 98%, 11%
HSV	114°, 99%, 21%
XYZ	1.4299, 2.7468, 0.4743
YIQ	34.1930, -11.8700, -27.1820

Conversions

Conversions Part 2

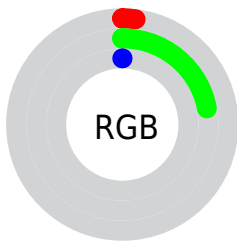
Format	Color
R_{YB}	1, 55, 50
Decimal	407297
CIE _{Lab}	19.00, -27.43, 25.97
CIE _{LCh}	19, 37.777, 136.561
Yxy	2.7468, 0.3074, 0.5906
Android (android.graphics.Color)	4278597377 (0xFF063701)
YUV	34.1930, -16.3641, -24.7253
Hunter-Lab	16.5735, -13.6032, 9.9048

Details

The CIELCh color **19, 37.777, 136.561** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **9, 38.571, 325.063**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 38.006, 136.789**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 38.113, 136.531**, and if you desaturate by 10%, it is **19, 35.113, 136.892**.

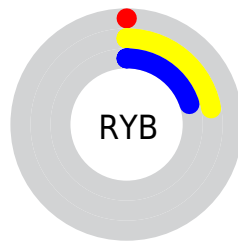
Distribution



Red (2%)

Green (22%)

Blue (0%)



Red (0%)

Yellow (22%)

Blue (20%)

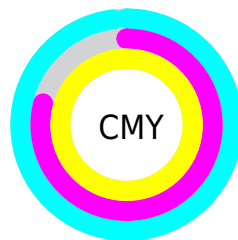


Cyan (89%)

Magenta (0%)

Yellow (99%)

Black (79%)



Cyan (98%)


Magenta (79%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 37.777, 136.561 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, 37.777, 136.561 by changing the saturation by 10% instead.

 19, 37.777,
136.561


 19, 37.777,
136.561


 100, 37.777,
136.561


 9, 37.777, 136.561


 39, 37.777,
136.561

 0, 37.777, 136.561

 49, 37.777,
136.561


 59, 37.777,
136.561


 69, 37.777,
136.561


 79, 37.777,
136.561


 89, 37.777,


136.561


 99, 37.777,
136.561

 19, 37.777,
136.561


 19, 37.777,
136.561


 19, 38.113,
136.531

 19, 35.113,
136.892

 19, 32.367,
137.135

 20, 29.045,
137.667

 20, 25.240,
138.420

 20, 21.169,
139.153

■ 21, 16.923,
139.838

■ 21, 12.577,
140.462

■ 22, 8.189, 141.022

■ 22, 3.806, 141.527

Harmonies

Complementary

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



19, 37.777, 136.561



9, 38.571, 325.063

Rectangle

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



19, 37.777, 136.561



19, 37.777, 186.561



19, 37.777, 316.561



19, 37.777, 6.561

Sweetspot

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



19, 37.777, 136.561



28, 16.383, 140.298



20, 28.396, 97.612



13, 10.952, 140.239



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, 37.777, 136.561



26, 46.949, 135.068



19, 30.015, 148.571



10, 2.455, 141.545



33, 56.108, 135.138



77, 106.346, 135.649

Inverse Universe

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



9, 38.571, 325.063



13, 46.405, 324.942



8, 29.874, 348.025



9, 2.463, 322.202



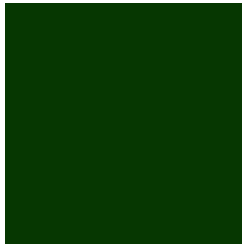
18, 55.093, 324.820



49, 103.772, 324.542

Previews

White Background



This preview shows how the CIELCh color 19, 37.777, 136.561 looks on a white background.

Color Contrast Check

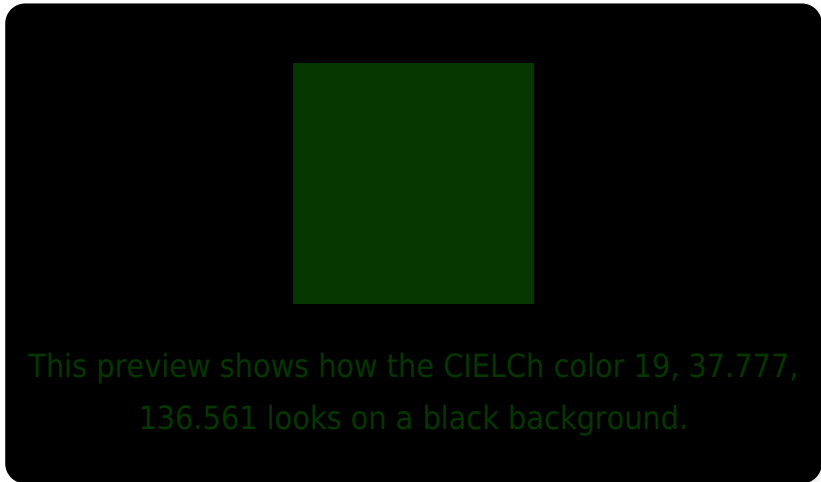
Large Text (above 18pt) WCAG AA ✓ Pass

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, 37.777, 136.561

Background



This preview shows how black text looks on a background with the CIELCh color 19, 37.777, 136.561.



This preview shows how white text looks on a background with the CIELCh color 19, 37.777, 136.561.

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, 37.777, 136.561

Protanopia
19, 27.437, 96.809

Deuteranopia
19, 22.516, 82.805



Tritanopia
19, 10.896, 212.185

Trichromacy



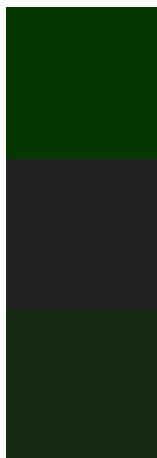
Original Color
19, 37.777, 136.561

Protanomaly
19, 29.792, 118.575

Deuteranomaly
18, 24.846, 114.522

Tritanomaly
19, 18.951, 158.164

Monochromacy



Original Color
19, 37.777, 136.561

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, 37.777, 136.561 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(6, 55, 1)` looks like.

```
.text, #text, p{  
    color:rgb(6, 55, 1)  
}
```

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(6, 55, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 55, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 37.777, 136.561 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(6, 55, 1) }
```

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

```
.border{ border-color:rgb(6, 55, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 55, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 55, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(6, 55, 1); box-shadow:4px  
4px 4px 4px rgb(6, 55, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 37.777, 136.561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 55, 1) }
```

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

```
.background{ background-color: rgb(6, 55,  
1) }
```

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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