

Converting Colors

CIELCh(19, 36.962, 135.787)

Have a look what the booklet for
CIELCh(19, 36.962, 135.787)
contains.

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Color

CIELCh(19, 37.344, 135.681)

Conversions

Conversions Part 1

Format	Color
Hex	093700
RGB	9, 55, 0
RGB Percent	4%, 22%, 0%
CMY	0.9665, 0.7860, 0.9983
CMYK	0.84, 0.00, 0.99, 0.79
HSL	111°, 98%, 11%
HSV	111°, 99%, 21%
XYZ	1.4548, 2.7468, 0.4662
YIQ	34.9760, -9.7610, -26.8570

Conversions

Conversions Part 2

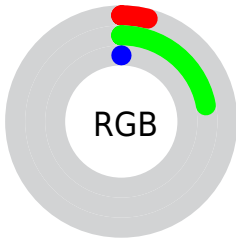
Format	Color
RYB	0, 55, 46
Decimal	603904
CIELab	19.00, -26.72, 26.09
CIELCh	19, 37.344, 135.681
Yxy	2.7468, 0.3117, 0.5885
Android (android.graphics.Color)	4278793984 (0xFF093700)
YUV	34.9760, -17.2432, -22.7810
Hunter-Lab	16.5735, -13.3352, 9.9337

Details

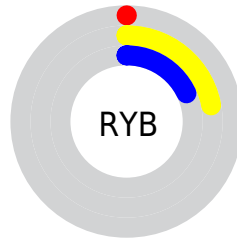
The CIELCh color **19, 37.344, 135.681** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **8, 38.797, 323.273**, and the grayscale version is **14, 0.003, 296.813**.

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, 37.558, 135.656**, and if you desaturate by 10%, it is **19, 34.709, 135.987**.

Distribution



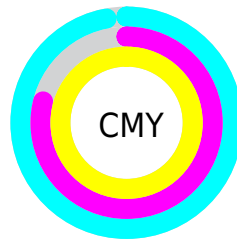
- Red (4%)
- Green (22%)
- Blue (0%)



- Red (0%)
- Yellow (22%)
- Blue (18%)



- Cyan (84%)
- Magenta (0%)
- Yellow (99%)
- Black (79%)





- Cyan (97%)
- Magenta (79%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 37.344, 135.681 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, 37.344, 135.681 by changing the saturation by 10% instead.

 19, 37.344,
135.681


 19, 37.344,
135.681


 100, 37.344,
135.681


 9, 37.344, 135.681


 39, 37.344,
135.681

 0, 37.344, 135.681

 49, 37.344,
135.681


 59, 37.344,
135.681


 69, 37.344,
135.681


 79, 37.344,
135.681


 89, 37.344,


135.681


 99, 37.344,
135.681

 19, 37.344,
135.681


 19, 37.344,
135.681


 19, 37.558,
135.656

 19, 34.709,
135.987

 19, 31.961,
136.087

 20, 28.684,
136.466

 20, 24.930,
137.113

 20, 20.926,
137.761

■ 21, 16.761,
138.378

■ 21, 12.503,
138.949

■ 22, 8.206, 139.467

■ 22, 3.912, 139.938

Harmonies

Complementary

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



19, 37.344, 135.681



8, 38.797, 323.273

Rectangle

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



19, 37.344, 135.681



19, 37.344, 185.681



19, 37.344, 315.681



19, 37.344, 5.681

Sweetspot

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



19, 37.344, 135.681



28, 16.094, 138.820



19, 27.181, 94.200



13, 10.759, 138.766



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, 37.344, 135.681



26, 46.535, 134.382



19, 31.337, 146.557



10, 2.413, 139.974



33, 55.692, 134.574



77, 105.784, 135.257

Inverse Universe

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



8, 38.797, 323.273



12, 46.641, 323.057



8, 30.716, 344.785



9, 2.423, 320.591



17, 55.389, 322.869



46, 104.407, 322.441

Previews

White Background



This preview shows how the CIELCh color 19, 37.344, 135.681 looks on a white background.

Color Contrast Check

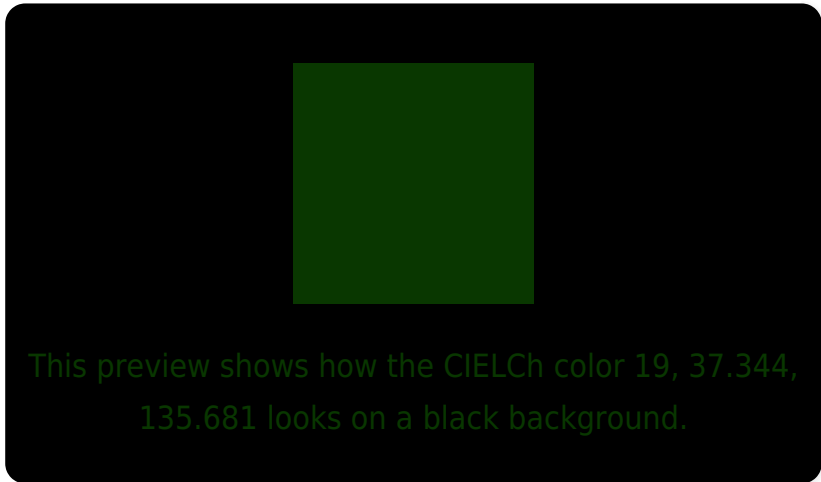
Large Text (above 18pt) WCAG AA ✓ Pass

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

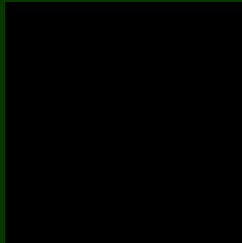
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 37.344, 135.681

Background



This preview shows how black text looks on a background with the CIELCh color 19, 37.344, 135.681.



This preview shows how white text looks on a background with the CIELCh color 19, 37.344, 135.681.

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, 37.704, 135.371

Protanopia
19, 27.437, 96.809

Deuteranopia
19, 22.516, 82.805



Tritanopia
19, 10.615, 212.630

Trichromacy



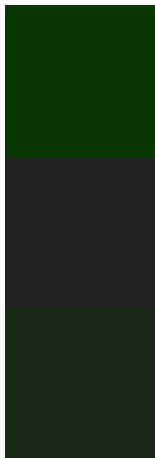
Original Color
19, 37.704, 135.371

Protanomaly
19, 29.653, 117.612

Deuteranomaly
18, 24.751, 113.301

Tritanomaly
19, 18.714, 157.666

Monochromacy



Original Color
19, 37.704, 135.371

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 16.284, 138.028

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 37.344, 135.681 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(9, 55, 0)` looks like.

```
.text, #text, p{  
    color:rgb(9, 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(9, 55, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 55, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 37.344, 135.681 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(9, 55, 0) }
```

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

```
.border{ border-color:rgb(9, 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(9, 55, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 55, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(9, 55, 0); box-shadow:4px  
4px 4px 4px rgb(9, 55, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 37.344, 135.681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 55, 0) }
```

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

```
.background{ background-color: rgb(9, 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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