

Converting Colors

CIELCh(18, 30.809, 139.326)

Have a look what the booklet for
CIELCh(18, 30.809, 139.326)
contains.

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Color

CIELCh(18, 31.112, 139.006)

Conversions

Conversions Part 1

Format	Color
Hex	0C340B
RGB	12, 52, 11
RGB Percent	5%, 20%, 4%
CMY	0.9548, 0.7978, 0.9550
CMYK	0.78, 0.00, 0.78, 0.80
HSL	120°, 64%, 12%
HSV	120°, 78%, 20%
XYZ	1.4173, 2.5180, 0.7429
YIQ	35.3660, -10.6790, -21.2310

Conversions

Conversions Part 2

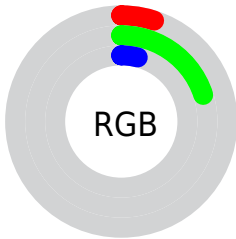
Format	Color
RYB	11, 52, 51
Decimal	799755
CIELab	18.00, -23.48, 20.41
CIElCh	18, 31.112, 139.006
Yxy	2.5180, 0.3030, 0.5382
Android (android.graphics.Color)	4278989835 (0xFF0C340B)
YUV	35.3660, -12.0124, -20.4920
Hunter-Lab	15.8683, -11.8262, 8.3322

Details

The CIELCh color **18, 31.112, 139.006** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **11, 30.857, 327.589**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 31.400, 138.673**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 33.756, 138.758**, and if you desaturate by 10%, it is **18, 27.971, 139.582**.

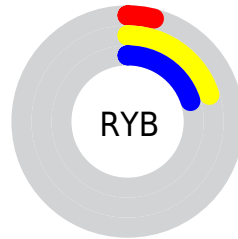
Distribution



Red (5%)

Green (20%)

Blue (4%)



Red (4%)

Yellow (20%)

Blue (20%)

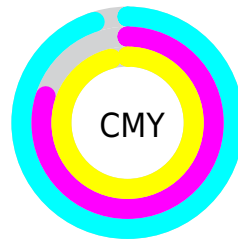


Cyan (78%)

Magenta (0%)

Yellow (78%)

Black (80%)



Cyan (95%)


Magenta (80%)


Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 31.112, 139.006 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 18, 31.112, 139.006 by changing the saturation by 10% instead.

 18, 31.112,
139.006


 18, 31.112,
139.006


 100, 31.112,
139.006


 8, 31.112, 139.006


 38, 31.112,
139.006

 0, 31.112, 139.006

 48, 31.112,
139.006


 58, 31.112,
139.006


 68, 31.112,
139.006


 78, 31.112,
139.006


 88, 31.112,


139.006


 98, 31.112,
139.006


 18, 31.112,
139.006


 18, 31.112,
139.006


 18, 33.756,
138.758


 18, 27.971,
139.582


 18, 36.458,
138.678

 19, 24.272,
140.507

 18, 37.086,
138.681

 19, 20.298,
141.381

 19, 16.143,
142.176

 20, 11.884,
142.885

■ 20, 7.582, 143.512

■ 21, 3.287, 144.072

■ 22, 0.964, 324.411

■ 22, 5.145, 324.905

Harmonies

Complementary

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



18, 31.112, 139.006



11, 30.857, 327.589

Rectangle

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



18, 31.112, 139.006



18, 31.112, 189.006



18, 31.112, 319.006



18, 31.112, 9.006

Sweetspot

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



18, 31.112, 139.006



26, 12.166, 143.119



20, 24.624, 103.521



12, 8.238, 143.062



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



18, 31.112, 139.006



24, 42.977, 136.971



18, 21.847, 155.190



9, 2.328, 144.072



32, 55.677, 136.006



76, 105.943, 136.012

Inverse Universe

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



11, 30.857, 327.589



14, 41.903, 328.036



10, 22.820, 350.556



8, 2.333, 324.760



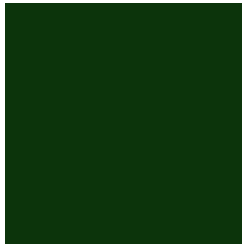
19, 53.730, 328.193



51, 102.228, 328.189

Previews

White Background



This preview shows how the CIELCh color 18, 31.112, 139.006 looks on a white background.

Color Contrast Check

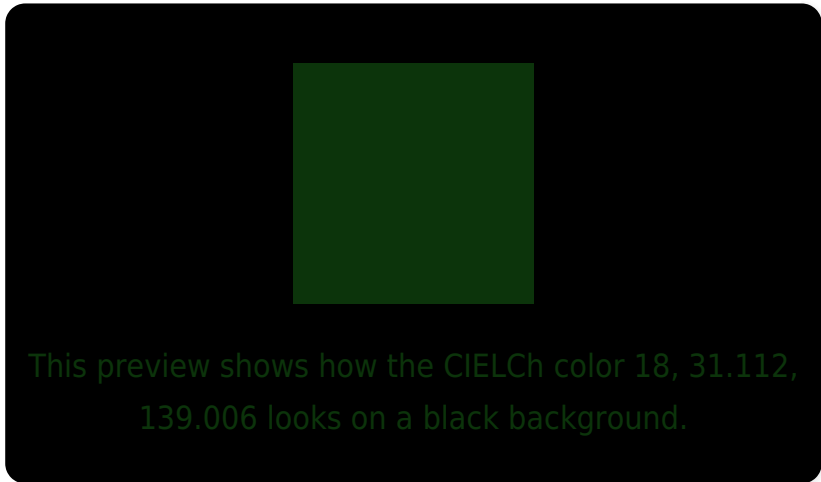
Large Text (above 18pt) WCAG AA ✓ Pass

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

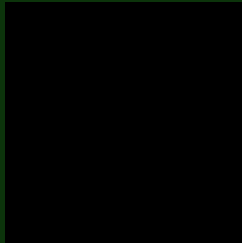
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 31.112, 139.006

Background



This preview shows how black text looks on a background with the CIELCh color 18, 31.112, 139.006.



This preview shows how white text looks on a background with the CIELCh color 18, 31.112, 139.006.

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](#).

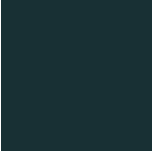
Dichromacy



Original Color
18, 31.489, 138.563

Protanopia
18, 21.717, 95.866

Deuteranopia
18, 19.034, 82.970



Tritanopia
18, 9.718, 214.315

Trichromacy



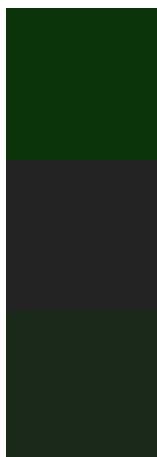
Original Color
18, 31.489, 138.563

Protanomaly
18, 23.478, 119.282

Deuteranomaly
17, 20.423, 114.305

Tritanomaly
18, 15.415, 163.858

Monochromacy



Original Color
18, 31.489, 138.563

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 12.907, 142.427

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 31.112, 139.006 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(12, 52, 11)` looks like.

```
.text, #text, p{  
    color:rgb(12, 52, 11)  
}
```

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(12, 52, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 52, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 31.112, 139.006 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(12, 52, 11) }
```

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

```
.border{ border-color:rgb(12, 52, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 52, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 52, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 52, 11);  
box-shadow:4px 4px 4px 4px rgb(12, 52, 11)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 31.112, 139.006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 52, 11) }
```

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

```
.background{ background-color: rgb(12, 52,  
11) }
```

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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