

Converting Colors

CIELCh(18, 34.223, 138.735)

Have a look what the booklet for
CIELCh(18, 34.223, 138.735)
contains.

CIELCh(18, 34.196, 138.690)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(18, 34.196, 138.690)

Conversions

Conversions Part 1

Format	Color
Hex	063406
RGB	6, 52, 6
RGB Percent	2%, 20%, 2%
CMY	0.9761, 0.7957, 0.9759
CMYK	0.88, 0.00, 0.88, 0.80
HSL	120°, 79%, 11%
HSV	120°, 88%, 20%
XYZ	1.3426, 2.5180, 0.5915
YIQ	33.0020, -12.6500, -24.0580

Conversions

Conversions Part 2

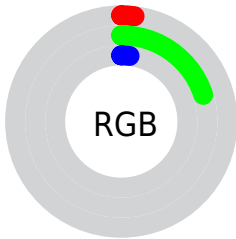
Format	Color
RYB	6, 52, 52
Decimal	406534
CIELab	18.00, -25.69, 22.57
CIELCh	18, 34.196, 138.690
Yxy	2.5180, 0.3016, 0.5656
Android (android.graphics.Color)	4278596614 (0xFF063406)
YUV	33.0020, -13.3120, -23.6808
Hunter-Lab	15.8683, -12.6673, 8.8977

Details

The CIELCh color **18, 34.196, 138.690** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **10, 34.036, 327.935**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 34.217, 138.586**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 36.915, 138.596**, and if you desaturate by 10%, it is **18, 31.542, 138.955**.

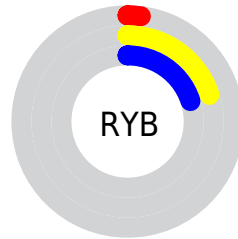
Distribution



Red (2%)

Green (20%)

Blue (2%)



Red (2%)

Yellow (20%)

Blue (20%)

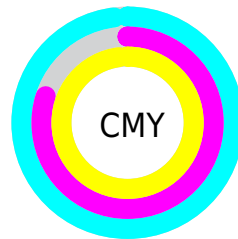


Cyan (88%)

Magenta (0%)

Yellow (88%)

Black (80%)



Cyan (98%)

Magenta (80%)

Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 34.196, 138.690 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, 34.196, 138.690 by changing the saturation by 10% instead.

 18, 34.196,
138.690

 18, 34.196,
138.690

 100, 34.196,
138.690

 8, 34.196, 138.690

 38, 34.196,
138.690

 0, 34.196, 138.690

 48, 34.196,
138.690

 58, 34.196,
138.690

 68, 34.196,
138.690


 78, 34.196,
138.690


 88, 34.196,


138.690


 98, 34.196,
138.690


 18, 34.196,
138.690

 18, 34.196,
138.690


 18, 36.915,
138.596


 18, 31.542,
138.955

 18, 37.387,
138.595

 18, 28.400,
139.552

 19, 24.693,
140.487

 19, 20.701,
141.371

 20, 16.521,
142.175

■ 20, 12.231,
142.893

■ 21, 7.895, 143.527

■ 21, 3.562, 144.092

■ 22, 0.729, 324.404

Harmonies

Complementary

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



18, 34.196, 138.690



10, 34.036, 327.935

Rectangle

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



18, 34.196, 138.690



18, 34.196, 188.690



18, 34.196, 318.690



18, 34.196, 8.690

Sweetspot

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



18, 34.196, 138.690



27, 14.193, 142.952



21, 27.448, 103.919



13, 9.719, 142.896



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



18, 34.196, 138.690



24, 46.406, 136.379



18, 24.039, 154.550



9, 2.327, 144.124



32, 55.662, 136.033



76, 105.933, 136.022

Inverse Universe

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



10, 34.036, 327.935



14, 45.026, 328.265



9, 25.138, 353.491



8, 2.333, 324.814



19, 53.692, 328.266



51, 102.150, 328.269

Previews

White Background



This preview shows how the CIELCh color 18, 34.196, 138.690 looks on a white background.

Color Contrast Check

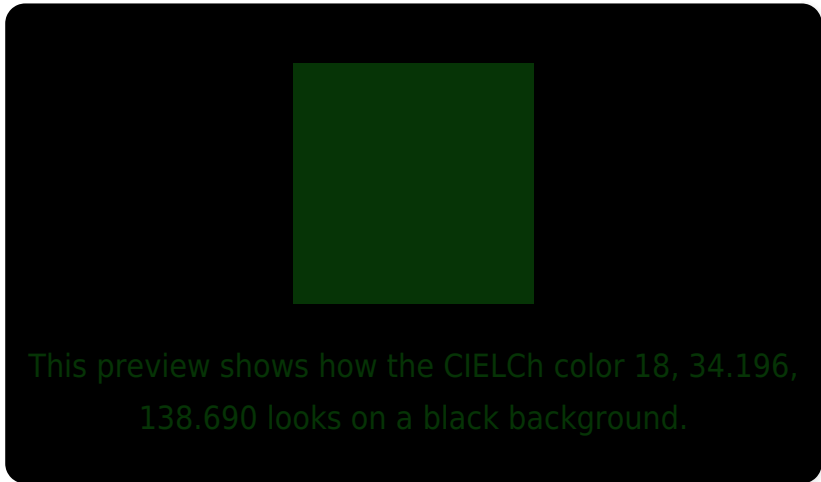
Large Text (above 18pt) WCAG AA ✓ Pass

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

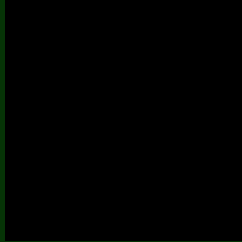
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 34.196, 138.690

Background



This preview shows how black text looks on a background with the CIELCh color 18, 34.196, 138.690.



This preview shows how white text looks on a background with the CIELCh color 18, 34.196, 138.690.

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

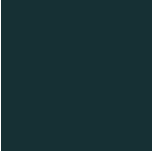
18, 34.196, 138.690

Protanopia

18, 25.008, 97.801

Deuteranopia

18, 20.749, 82.750



Tritanopia
18, 10.302, 213.248

Trichromacy



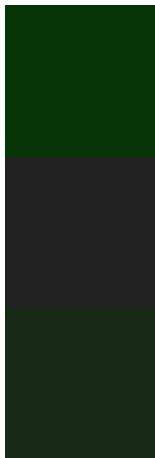
Original Color
18, 34.196, 138.690

Protanomaly
18, 27.192, 120.328

Deuteranomaly
17, 22.549, 115.912

Tritanomaly
18, 17.101, 161.672

Monochromacy



Original Color
18, 34.196, 138.690

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 14.653, 142.026

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 34.196, 138.690 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, 52, 6)` looks like.

```
.text, #text, p{  
    color:rgb(6, 52, 6)  
}
```

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, 52, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 52, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 34.196, 138.690 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, 52, 6) }
```

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

```
.border{ border-color:rgb(6, 52, 6) }
```

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

Here you see how a box with a 4 pixel rgb(6, 52, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 52, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(6, 52, 6); box-shadow:4px  
4px 4px 4px rgb(6, 52, 6) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 34.196, 138.690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 52, 6) }
```

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

```
.background{ background-color: rgb(6, 52,  
6) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor