

Converting Colors

CIELCh(34, 51.709, 138.562)

Have a look what the booklet for
CIELCh(34, 51.709, 138.562)
contains.

CIELCh(34, 51.668, 138.517)	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(34, 51.668, 138.517)

Conversions

Conversions Part 1

Format	Color
Hex	0C5D12
RGB	12, 93, 18
RGB Percent	5%, 36%, 7%
CMY	0.9542, 0.6340, 0.9280
CMYK	0.87, 0.00, 0.80, 0.63
HSL	125°, 78%, 21%
HSV	125°, 87%, 37%
XYZ	4.2029, 8.0082, 1.9118
YIQ	60.2310, -24.2010, -40.4970

Conversions

Conversions Part 2

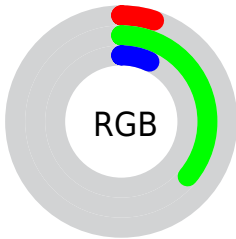
Format	Color
RYB	12, 87, 93
Decimal	810258
CIELab	34.00, -38.71, 34.22
CIElCh	34, 51.668, 138.517
Yxy	8.0082, 0.2976, 0.5670
Android (android.graphics.Color)	4279000338 (0xFF0C5D12)
YUV	60.2310, -20.8199, -42.2986
Hunter-Lab	28.2988, -23.0123, 15.8038

Details

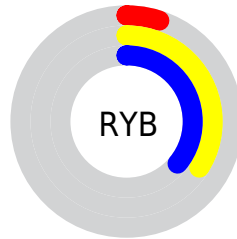
The CIELCh color **34, 51.668, 138.517** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **21, 49.291, 331.061**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 51.210, 138.580**, and **15, 33.785, 140.203** is the 20% darker color. If you saturate the color by 10%, you get **34, 54.781, 137.607**, and if you desaturate by 10%, it is **34, 47.660, 139.717**.

Distribution



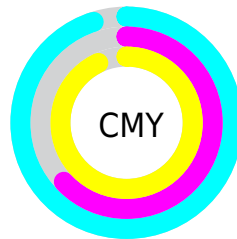
- Red (5%)
- Green (36%)
- Blue (7%)



- Red (5%)
- Yellow (34%)
- Blue (36%)



- Cyan (87%)
- Magenta (0%)
- Yellow (80%)
- Black (63%)





- Cyan (95%)
- Magenta (63%)
- Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 51.668, 138.517 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 34, 51.668, 138.517 by changing the saturation by 10% instead.


 34, 51.668,
138.517


 34, 51.668,
138.517

 100, 51.668,
138.517


 24, 51.668,
138.517

 54, 51.668,
138.517


 14, 51.668,
138.517


 64, 51.668,
138.517

 4, 51.668, 138.517

 74, 51.668,
138.517

 0, 51.668, 138.517

 84, 51.668,
138.517

 94, 51.668,
138.517

■ 34, 51.668,
138.517

■ 34, 51.668,
138.517

■ 34, 54.781,
137.607

■ 34, 47.660,
139.717

■ 34, 55.480,
137.451

■ 35, 42.796,
140.938

■ 35, 37.261,
142.106

■ 36, 31.227,
143.177

■ 36, 24.854,
144.133

■ 37, 18.278,
144.972

■ 38, 11.613,
145.704

■ 39, 4.949, 146.350

Harmonies

Complementary

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



34, 51.668, 138.517



21, 49.291, 331.061

Rectangle

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



34, 51.668, 138.517



34, 51.668, 188.517



34, 51.668, 318.517



34, 51.668, 8.517

Sweetspot

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



34, 51.668, 138.518



48, 21.603, 145.024



38, 43.322, 106.936



24, 14.505, 144.853



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



34, 51.668, 138.518



44, 67.799, 137.083



35, 35.209, 156.674



18, 3.650, 146.268



40, 62.471, 137.222



82, 111.871, 136.566

Inverse Universe

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



21, 49.291, 331.061



28, 63.093, 331.652



19, 37.769, 0.927



17, 3.658, 327.168



24, 58.373, 331.608



55, 102.479, 331.847

Previews

White Background



This preview shows how the CIELCh color 34, 51.668, 138.517 looks on a white background.

Color Contrast Check

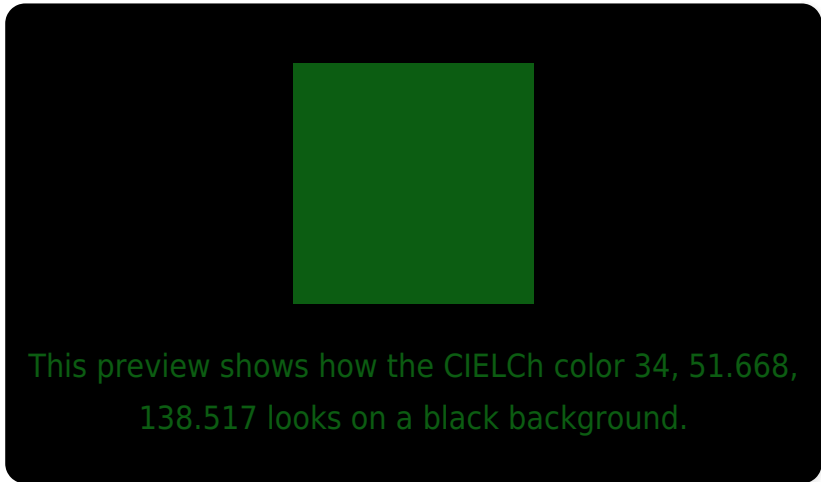
Large Text (above 18pt) WCAG AA ✓ Pass

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 34, 51.668, 138.517

Background



This preview shows how black text looks on a background with the CIELCh color 34, 51.668, 138.517.



This preview shows how white text looks on a background with the CIELCh color 34, 51.668, 138.517.

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

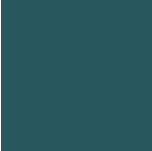
34, 51.585, 138.406

Protanopia

34, 37.099, 95.683

Deuteranopia

34, 32.276, 82.151



Tritanopia
34, 16.390, 213.094

Trichromacy



Original Color
34, 51.585, 138.406

Protanomaly
33, 40.234, 119.874

Deuteranomaly
33, 34.525, 115.902

Tritanomaly
34, 26.449, 162.925

Monochromacy



Original Color
34, 51.585, 138.406

Achromatopsia
25, 0.004, 296.813

Achromatomaly
28, 21.954, 144.415

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 51.668, 138.517 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, 93, 18)` looks like.

```
.text, #text, p{  
    color:rgb(12, 93, 18)  
}
```

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, 93, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 93, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 51.668, 138.517 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, 93, 18) }
```

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

```
.border{ border-color:rgb(12, 93, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 93, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 93, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 93, 18);  
box-shadow:4px 4px 4px 4px rgb(12, 93, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 51.668, 138.517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 93, 18) }
```

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

```
.background{ background-color: rgb(12, 93,  
18) }
```

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