

Converting Colors

CIELCh(34, 56.511, 137.001)

Have a look what the booklet for
CIELCh(34, 56.511, 137.001)
contains.

CIELCh(34, 56.431, 136.950)	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, 56.431, 136.950)

Conversions

Conversions Part 1

Format	Color
Hex	005E05
RGB	0, 94, 5
RGB Percent	0%, 37%, 2%
CMY	1.0000, 0.6315, 0.9806
CMYK	1.00, 0.00, 0.95, 0.63
HSL	123°, 100%, 18%
HSV	123°, 100%, 37%
XYZ	4.0250, 8.0082, 1.4758
YIQ	55.7480, -27.4550, -47.6070

Conversions

Conversions Part 2

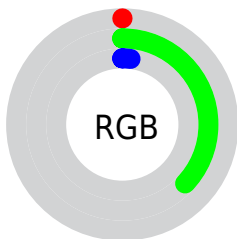
Format	Color
RYB	0, 89, 94
Decimal	24069
CIELab	34.00, -41.24, 38.52
CIElCh	34, 56.431, 136.950
Yxy	8.0082, 0.2980, 0.5928
Android (android.graphics.Color)	4278214149 (0xFF005E05)
YUV	55.7480, -25.0188, -48.8910
Hunter-Lab	28.2988, -24.1342, 16.7172

Details

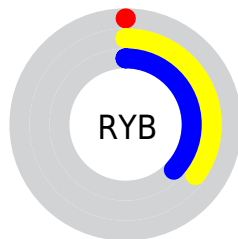
The CIELCh color **34, 56.431, 136.950** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **20, 53.565, 330.298**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 56.836, 137.005**, and **16, 34.389, 139.895** is the 20% darker color. If you saturate the color by 10%, you get **34, 56.424, 136.943**, and if you desaturate by 10%, it is **34, 53.494, 137.675**.

Distribution



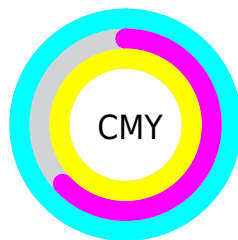
- Red (0%)
- Green (37%)
- Blue (2%)



- Red (0%)
- Yellow (35%)
- Blue (37%)



- Cyan (100%)
- Magenta (0%)
- Yellow (95%)
- Black (63%)





- Cyan (100%)
- Magenta (63%)
- Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 56.431, 136.950 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, 56.431, 136.950 by changing the saturation by 10% instead.


 34, 56.431,
136.950

 34, 56.431,
136.950

 100, 56.431,
136.950


 24, 56.431,
136.950

 54, 56.431,
136.950


 14, 56.431,
136.950


 64, 56.431,
136.950

 4, 56.431, 136.950

 74, 56.431,
136.950

 0, 56.431, 136.950

 84, 56.431,
136.950

 94, 56.431,
136.950

■ 34, 56.431,
136.950

■ 34, 56.431,
136.950

■ 34, 56.424,
136.943

■ 34, 53.494,
137.675

■ 34, 49.800,
138.741

■ 35, 45.120,
139.895

■ 35, 39.656,
141.041

■ 36, 33.608,
142.115

■ 36, 27.157,
143.088

■ 37, 20.454,
143.947

■ 38, 13.630,

144.698

■ 39, 6.784, 145.354

Harmonies

Complementary

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



34, 56.431, 136.950



20, 53.565, 330.298

Rectangle

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



34, 56.431, 136.950



34, 56.431, 186.950



34, 56.431, 316.950



34, 56.431, 6.950

Sweetspot

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



34, 56.424, 136.943



48, 25.424, 143.872



38, 46.771, 105.742



24, 17.170, 143.646



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, 56.424, 136.943



44, 68.416, 136.708



34, 39.387, 153.469



18, 3.725, 145.428



40, 63.111, 136.799



82, 112.506, 136.333

Inverse Universe

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



20, 53.565, 330.298



28, 64.503, 330.366



18, 40.749, 3.421



17, 3.732, 326.317



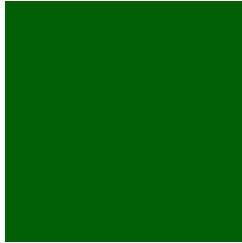
25, 59.662, 330.339



56, 104.891, 330.484

Previews

White Background



This preview shows how the CIELCh color 34, 56.431, 136.950 looks on a white background.

Color Contrast Check

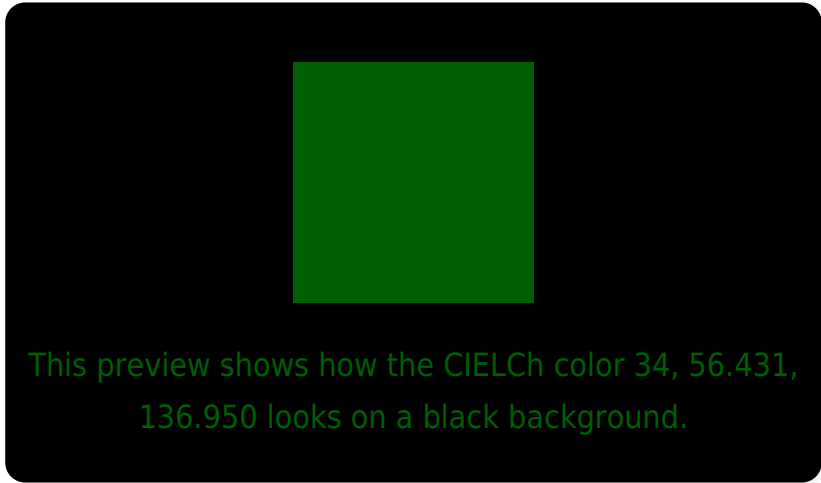
Large Text (above 18pt) WCAG AA ✓ Pass

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

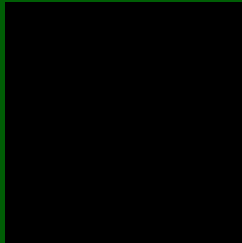
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 56.431, 136.950

Background



This preview shows how black text looks on a background with the CIELCh color 34, 56.431, 136.950.



This preview shows how white text looks on a background with the CIELCh color 34, 56.431, 136.950.

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, 56.431, 136.950

Protanopia

34, 42.217, 95.032

Deuteranopia

34, 35.249, 82.568



Tritanopia
34, 16.623, 212.842

Trichromacy



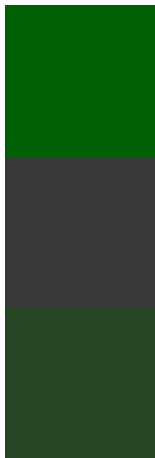
Original Color
34, 56.431, 136.950

Protanomaly
33, 45.201, 119.888

Deuteranomaly
33, 39.241, 117.508

Tritanomaly
34, 29.687, 159.546

Monochromacy



Original Color
34, 56.431, 136.950

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 26.087, 141.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 56.431, 136.950 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(0, 94, 5)` looks like.

```
.text, #text, p{  
    color:rgb(0, 94, 5)  
}
```

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(0, 94, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 94, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 56.431, 136.950 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(0, 94, 5) }
```

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

```
.border{ border-color:rgb(0, 94, 5) }
```

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

Here you see how a box with a 4 pixel rgb(0, 94, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 94, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 94, 5); box-shadow:4px  
4px 4px 4px rgb(0, 94, 5) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 56.431, 136.950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 94, 5) }
```

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

```
.background{ background-color: rgb(0, 94,  
5) }
```

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