

Converting Colors

CIELCh(34, 57.410, 135.594)

Have a look what the booklet for
CIELCh(34, 57.410, 135.594)
contains.

CIELCh(34, 57.419, 135.629)	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, 57.419, 135.629)

Conversions

Conversions Part 1

Format	Color
Hex	045E00
RGB	4, 94, 0
RGB Percent	2%, 37%, 0%
CMY	0.9853, 0.6318, 1.0000
CMYK	0.96, 0.00, 1.00, 0.63
HSL	118°, 100%, 18%
HSV	118°, 100%, 37%
XYZ	4.0384, 8.0082, 1.3294
YIQ	56.3740, -23.4660, -48.3140

Conversions

Conversions Part 2

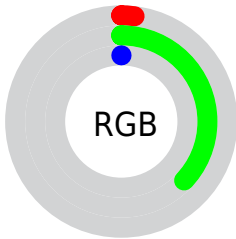
Format	Color
RYB	0, 94, 90
Decimal	286208
CIELab	34.00, -41.04, 40.15
CIElCh	34, 57.419, 135.629
Yxy	8.0082, 0.3019, 0.5987
Android (android.graphics.Color)	4278476288 (0xFF045E00)
YUV	56.3740, -27.7924, -45.9320
Hunter-Lab	28.2988, -24.0499, 17.0238

Details

The CIELCh color **34, 57.419, 135.629** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **20, 55.749, 326.763**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 57.135, 135.726**, and **16, 34.389, 139.895** is the 20% darker color. If you saturate the color by 10%, you get **34, 57.387, 135.652**, and if you desaturate by 10%, it is **34, 54.321, 136.468**.

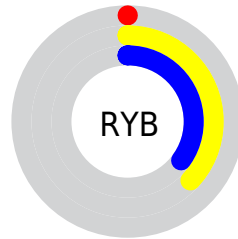
Distribution



Red (2%)

Green (37%)

Blue (0%)



Red (0%)

Yellow (37%)

Blue (35%)

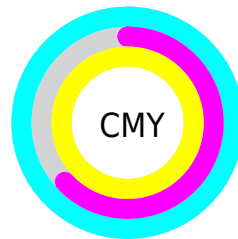


Cyan (96%)

Magenta (0%)

Yellow (100%)

Black (63%)



Cyan (99%)


Magenta (63%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 57.419, 135.629 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, 57.419, 135.629 by changing the saturation by 10% instead.


 34, 57.419,
135.629


 34, 57.419,
135.629

 100, 57.419,
135.629


 24, 57.419,
135.629

 54, 57.419,
135.629

 14, 57.419,
135.629

 64, 57.419,
135.629

 4, 57.419, 135.629

 74, 57.419,
135.629

 0, 57.419, 135.629

 84, 57.419,
135.629

 94, 57.419,
135.629

■ 34, 57.419,
135.629

■ 34, 57.419,
135.629

■ 34, 57.387,
135.652

■ 34, 54.321,
136.468

■ 34, 50.762,
137.162

■ 35, 46.088,
138.037

■ 35, 40.545,
138.983

■ 36, 34.371,
139.918

■ 36, 27.772,
140.789

■ 37, 20.916,
141.575

■ 38, 13.937,

142.268

■ 39, 6.937, 142.878

Harmonies

Complementary

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



34, 57.419, 135.629



20, 55.749, 326.763

Rectangle

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



34, 57.419, 135.629



34, 57.419, 185.629



34, 57.419, 315.629



34, 57.419, 5.629

Sweetspot

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



34, 57.387, 135.652



48, 26.016, 141.505



37, 45.093, 99.805



24, 17.570, 141.298



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, 57.387, 135.652



44, 69.318, 135.746



34, 43.532, 148.411



18, 3.812, 142.946



40, 64.053, 135.710



82, 113.188, 135.895

Inverse Universe

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



20, 55.749, 326.763



27, 67.257, 326.717



18, 41.710, 354.750



17, 3.821, 323.775



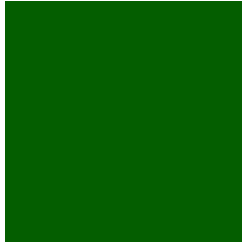
24, 62.178, 326.735



55, 109.612, 326.639

Previews

White Background



This preview shows how the CIELCh color 34, 57.419, 135.629 looks on a white background.

Color Contrast Check

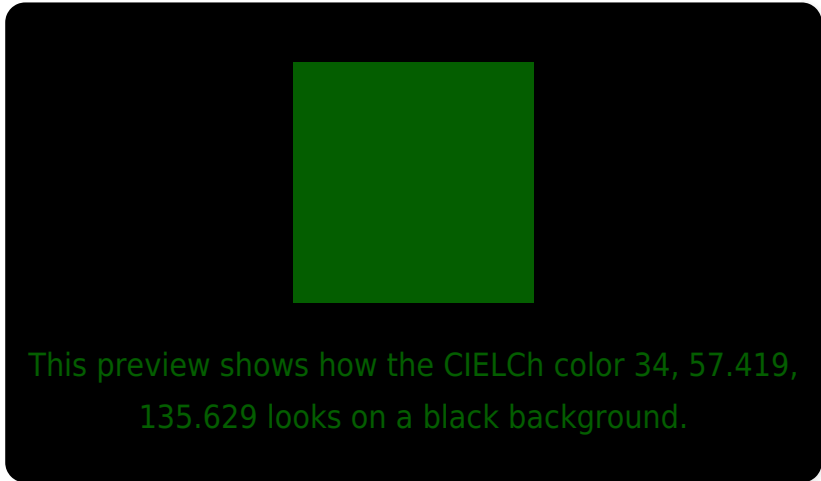
Large Text (above 18pt) WCAG AA ✓ Pass

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

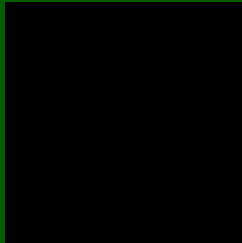
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 57.419, 135.629

Background



This preview shows how black text looks on a background with the CIELCh color 34, 57.419, 135.629.



This preview shows how white text looks on a background with the CIELCh color 34, 57.419, 135.629.

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

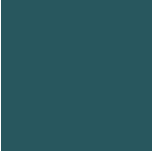
34, 57.419, 135.629

Protanopia

34, 42.142, 95.736

Deuteranopia

34, 35.677, 82.738



Tritanopia
34, 16.390, 213.094

Trichromacy



Original Color
34, 57.419, 135.629

Protanomaly
33, 45.708, 119.021

Deuteranomaly
33, 39.694, 115.844

Tritanomaly
34, 30.220, 157.374

Monochromacy



Original Color
34, 57.419, 135.629

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 26.365, 140.460

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 57.419, 135.629 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(4, 94, 0)` looks like.

```
.text, #text, p{  
    color:rgb(4, 94, 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(4, 94, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 34, 57.419, 135.629 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(4, 94, 0) }
```

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

```
.border{ border-color:rgb(4, 94, 0) }
```

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

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

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

Background

The CSS property to change the background color of an element to CIELCh 34, 57.419, 135.629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 94, 0) }
```

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

```
.background{ background-color: rgb(4, 94,  
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](#).

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