

Converting Colors

CIELCh(33, 50.607, 156.549)

Have a look what the booklet for
CIELCh(33, 50.607, 156.549)
contains.

CIELCh(34, 42.271, 149.519)	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, 42.271, 149.519)

Conversions

Conversions Part 1

Format	Color
Hex	005D2C
RGB	0, 93, 44
RGB Percent	0%, 36%, 17%
CMY	1.0000, 0.6353, 0.8275
CMYK	1.00, 0.00, 0.53, 0.64
HSL	148°, 100%, 18%
HSV	148°, 100%, 36%
XYZ	4.3675, 8.0082, 3.6973
YIQ	59.6070, -39.6990, -34.9550

Conversions

Conversions Part 2

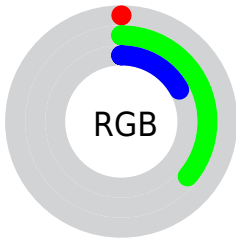
Format	Color
RYB	0, 63, 93
Decimal	23852
CIELab	34.00, -36.43, 21.44
CIELCh	34, 42.271, 149.519
Yxy	8.0082, 0.2717, 0.4982
Android (android.graphics.Color)	4278213932 (0xFF005D2C)
YUV	59.6070, -7.6943, -52.2753
Hunter-Lab	28.2988, -21.9743, 12.0627

Details

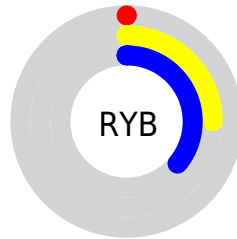
The CIELCh color **34, 42.271, 149.519** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **18, 41.120, 356.633**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 41.909, 149.738**, and **15, 33.785, 140.203** is the 20% darker color. If you saturate the color by 10%, you get **34, 42.270, 149.517**, and if you desaturate by 10%, it is **34, 39.277, 151.245**.

Distribution



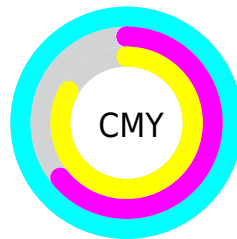
- Red (0%)
- Green (36%)
- Blue (17%)



- Red (0%)
- Yellow (25%)
- Blue (36%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (64%)





- Cyan (100%)
- Magenta (64%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 42.271, 149.519 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, 42.271, 149.519 by changing the saturation by 10% instead.


 34, 42.271,
149.519


 34, 42.271,
149.519

 100, 42.271,
149.519


 24, 42.271,
149.519

 54, 42.271,
149.519


 14, 42.271,
149.519


 64, 42.271,
149.519

 4, 42.271, 149.519

 74, 42.271,
149.519

 0, 42.271, 149.519

 84, 42.271,
149.519

 94, 42.271,
149.519

■ 34, 42.271,
149.519

■ 34, 42.271,
149.519

■ 34, 42.270,
149.517

■ 34, 39.277,
151.245

■ 34, 36.097,
153.080

■ 35, 32.495,
154.735

■ 35, 28.503,
156.211

■ 36, 24.178,
157.523

■ 36, 19.589,
158.688

■ 37, 14.810,
159.727

■ 38, 9.911, 160.661

Harmonies

Complementary

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



34, 42.271, 149.519



18, 41.120, 356.633

Rectangle

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



34, 42.271, 149.519



34, 42.271, 199.519



34, 42.271, 329.519



34, 42.271, 19.519

Sweetspot

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



34, 42.270, 149.517



47, 18.242, 159.638



35, 51.099, 125.778



24, 12.520, 159.356



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, 42.270, 149.517



44, 51.347, 148.769



35, 24.567, 191.715



18, 2.746, 161.617



40, 47.951, 149.012



83, 87.333, 147.441

Inverse Universe

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



18, 41.120, 356.633



25, 48.982, 357.853



17, 45.971, 33.339



17, 2.774, 342.838



22, 46.034, 357.451



51, 80.515, 0.164

Previews

White Background



This preview shows how the CIELCh color 34, 42.271, 149.519 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



This preview shows how the CIE LCh color 34, 42.271, 149.519 looks on a 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, 42.271, 149.519

Background



This preview shows how black text looks on a background with the CIELCh color 34, 42.271, 149.519.



This preview shows how white text looks on a background with the CIELCh color 34, 42.271, 149.519.

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, 42.271, 149.519

Protanopia

34, 24.840, 95.418

Deuteranopia

34, 20.536, 76.479



Tritanopia
34, 17.535, 211.897

Trichromacy



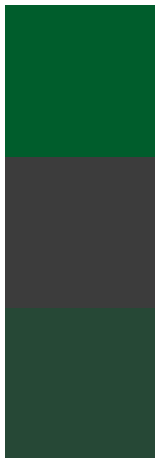
Original Color
34, 42.271, 149.519

Protanomaly
33, 29.712, 131.419

Deuteranomaly
32, 23.516, 129.724

Tritanomaly
34, 24.490, 175.069

Monochromacy



Original Color
34, 42.271, 149.519

Achromatopsia
25, 0.004, 296.813

Achromatomaly
28, 18.625, 157.944

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 42.271, 149.519 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, 93, 44)` looks like.

```
.text, #text, p{  
    color:rgb(0, 93, 44)  
}
```

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, 93, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 93, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 42.271, 149.519 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, 93, 44) }
```

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

```
.border{ border-color:rgb(0, 93, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 93, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 93, 44); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 93, 44); box-shadow:4px  
4px 4px 4px rgb(0, 93, 44) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 42.271, 149.519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 93, 44) }
```

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

```
.background{ background-color: rgb(0, 93,  
44) }
```

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