

Converting Colors

CIELCh(34, 40.987, 117.173)

Have a look what the booklet for
CIELCh(34, 40.987, 117.173)
contains.

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Color

CIELCh(34, 40.976, 117.447)

Conversions

Conversions Part 1

Format	Color
Hex	43570F
RGB	67, 87, 15
RGB Percent	26%, 34%, 6%
CMY	0.7380, 0.6595, 0.9420
CMYK	0.23, 0.00, 0.83, 0.66
HSL	77°, 71%, 20%
HSV	77°, 83%, 34%
XYZ	5.7807, 8.0082, 1.6853
YIQ	72.8120, 11.1920, -26.6320

Conversions

Conversions Part 2

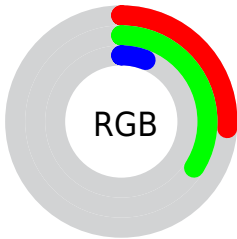
Format	Color
R_{YB}	15, 87, 35
Decimal	4413199
CIE _{Lab}	34.00, -18.89, 36.36
CIE _{LCh}	34, 40.976, 117.447
Yxy	8.0082, 0.3736, 0.5175
Android (android.graphics.Color)	4282603279 (0xFF43570F)
YUV	72.8120, -28.5013, -5.0971
Hunter-Lab	28.2988, -13.0601, 16.2781

Details

The CIELCh color **34, 40.976, 117.447** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12, 49.790, 307.394**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 41.012, 117.230**, and **14, 27.340, 130.959** is the 20% darker color. If you saturate the color by 10%, you get **34, 43.915, 117.673**, and if you desaturate by 10%, it is **34, 37.309, 117.473**.

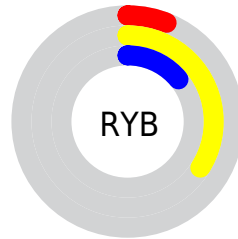
Distribution



Red (26%)

Green (34%)

Blue (6%)



Red (6%)

Yellow (34%)

Blue (14%)

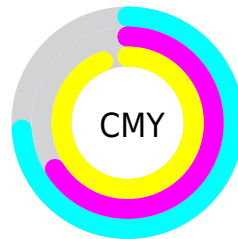


Cyan (23%)

Magenta (0%)

Yellow (83%)

Black (66%)



Cyan (74%)


Magenta (66%)

Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 40.976, 117.447 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, 40.976, 117.447 by changing the saturation by 10% instead.


 34, 40.976,
117.447

 34, 40.976,
117.447

 100, 40.976,
117.447


 24, 40.976,
117.447

 54, 40.976,
117.447


 14, 40.976,
117.447

 64, 40.976,
117.447

 4, 40.976, 117.447

 74, 40.976,
117.447

 0, 40.976, 117.447

 84, 40.976,
117.447

 94, 40.976,
117.447

■ 34, 40.976,
117.447

■ 34, 40.976,
117.447

■ 34, 43.915,
117.673

■ 34, 37.309,
117.473

■ 34, 46.045,
117.750

■ 35, 32.994,
117.722

■ 35, 28.225,
118.120

■ 35, 23.156,
118.608

■ 36, 17.896,
119.145

■ 36, 12.519,
119.703

■ 36, 7.079, 120.263

■ 37, 1.613, 120.819

Harmonies

Complementary

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



34, 40.976, 117.447



12, 49.790, 307.394

Rectangle

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



34, 40.976, 117.447



34, 40.976, 167.447



34, 40.976, 297.447



34, 40.976, 347.447

Sweetspot

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



34, 40.976, 117.449



46, 16.828, 119.543



21, 33.456, 46.205



23, 11.347, 119.428



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



34, 40.976, 117.449



43, 55.231, 118.176



32, 46.900, 133.774



17, 3.054, 120.495



41, 53.418, 118.105



86, 95.448, 118.997

Inverse Universe

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



12, 49.790, 307.394



12, 70.770, 308.449



17, 48.028, 320.309



16, 3.106, 301.452



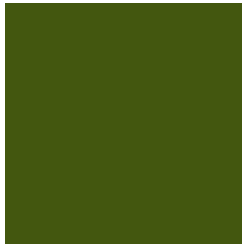
12, 68.430, 308.498



32, 122.584, 307.921

Previews

White Background



This preview shows how the CIELCh color 34, 40.976, 117.447 looks on a white background.

Color Contrast Check

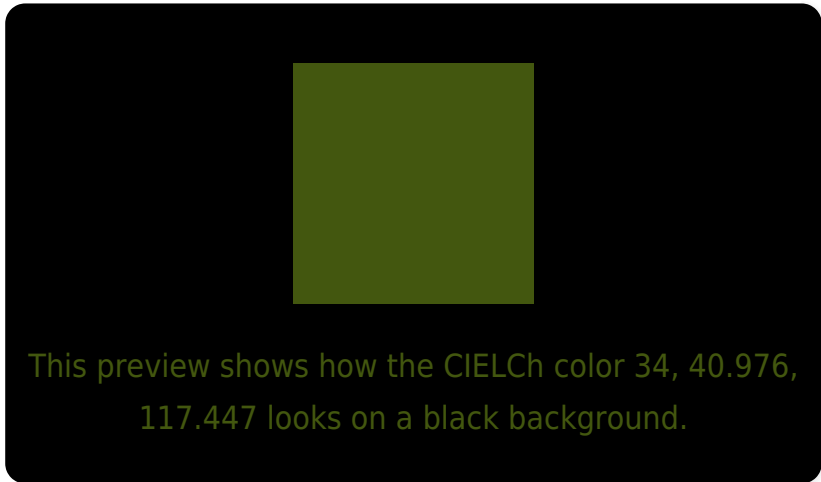
Large Text (above 18pt) WCAG AA ✓ Pass

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

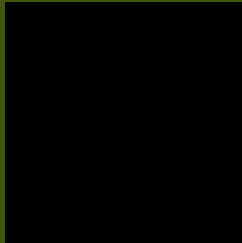
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 40.976, 117.447

Background



This preview shows how black text looks on a background with the CIELCh color 34, 40.976, 117.447.



This preview shows how white text looks on a background with the CIELCh color 34, 40.976, 117.447.

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, 40.976, 117.447

Protanopia

34, 37.822, 95.702

Deuteranopia

34, 35.031, 83.340



Tritanopia
34, 4.674, 252.967

Trichromacy



Original Color
34, 40.976, 117.447

Protanomaly
34, 37.892, 103.608

Deuteranomaly
34, 35.351, 97.282

Tritanomaly
34, 14.731, 129.554

Monochromacy



Original Color
34, 40.976, 117.447

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 16.539, 118.804

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 40.976, 117.447 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(67, 87, 15)` looks like.

```
.text, #text, p{  
    color:rgb(67, 87, 15)  
}
```

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(67, 87, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 87, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 40.976, 117.447 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(67, 87, 15) }
```

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

```
.border{ border-color:rgb(67, 87, 15) }
```

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

Here you see how a box with a 4 pixel rgb(67, 87, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 87, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 87, 15);  
box-shadow:4px 4px 4px 4px rgb(67, 87, 15)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 40.976, 117.447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 87, 15) }
```

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

```
.background{ background-color: rgb(67, 87,  
15) }
```

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](#).

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