

Converting Colors

CIELCh(34, 37.870, 137.568)

Have a look what the booklet for
CIELCh(34, 37.870, 137.568)
contains.

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Color

CIELCh(34, 37.777, 137.614)

Conversions

Conversions Part 1

Format	Color
Hex	2B5A25
RGB	43, 90, 37
RGB Percent	17%, 35%, 15%
CMY	0.8304, 0.6461, 0.8540
CMYK	0.52, 0.00, 0.59, 0.65
HSL	113°, 42%, 25%
HSV	113°, 59%, 35%
XYZ	5.0214, 8.0082, 3.0501
YIQ	69.9050, -10.9990, -26.4470

Conversions

Conversions Part 2

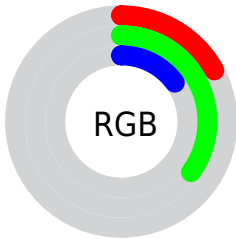
Format	Color
R_{YB}	37, 90, 84
Decimal	2841125
CIE Lab	34.00, -27.90, 25.47
CIE LCh	34, 37.777, 137.614
Yxy	8.0082, 0.3123, 0.4980
Android (android.graphics.Color)	4281031205 (0xFF2B5A25)
YUV	69.9050, -16.2222, -23.5957
Hunter-Lab	28.2988, -17.8493, 13.4189

Details

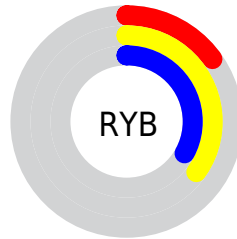
The CIELCh color **34, 37.777, 137.614** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **24, 38.009, 323.733**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 38.210, 137.315**, and **14, 31.948, 141.246** is the 20% darker color. If you saturate the color by 10%, you get **34, 43.244, 136.851**, and if you desaturate by 10%, it is **35, 31.793, 138.389**.

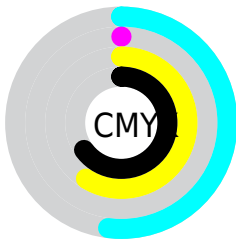
Distribution



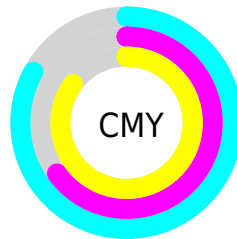
- Red (17%)
- Green (35%)
- Blue (15%)



- Red (15%)
- Yellow (35%)
- Blue (33%)



- Cyan (52%)
- Magenta (0%)
- Yellow (59%)
- Black (65%)





- Cyan (83%)
- Magenta (65%)
- Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 37.777, 137.614 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, 37.777, 137.614 by changing the saturation by 10% instead.


 34, 37.777,
137.614


 34, 37.777,
137.614

 100, 37.777,
137.614


 24, 37.777,
137.614

 54, 37.777,
137.614


 14, 37.777,
137.614


 64, 37.777,
137.614

 4, 37.777, 137.614

 74, 37.777,
137.614

 0, 37.777, 137.614

 84, 37.777,
137.614

 94, 37.777,
137.614

■ 34, 37.777,
137.614

■ 34, 37.777,
137.614

■ 34, 43.244,
136.851

■ 35, 31.793,
138.389

■ 33, 47.974,
136.175

■ 35, 25.470,
139.127

■ 33, 51.726,
135.691

■ 36, 18.951,
139.802

■ 33, 54.901,
135.055

■ 37, 12.344,
140.407

■ 33, 55.300,
134.935

■ 38, 5.733, 140.947

■ 38, 0.819, 321.224

■ 39, 7.269, 321.762

■ 41, 13.585,
322.112

■ 42, 19.748,
322.408

Harmonies

Complementary

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



34, 37.777, 137.614



24, 38.009, 323.733

Rectangle

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



34, 37.777, 137.614



34, 37.777, 187.614



34, 37.777, 317.614



34, 37.777, 7.614

Sweetspot

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



34, 37.777, 137.615



47, 14.707, 140.416



35, 28.244, 99.092



23, 10.122, 140.305



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



34, 37.777, 137.615



43, 54.108, 136.600



34, 29.471, 152.311



18, 3.723, 140.941



40, 63.555, 135.132



82, 112.664, 135.556

Inverse Universe

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



24, 38.009, 323.733



29, 54.160, 324.051



24, 30.069, 342.841



17, 3.736, 321.697



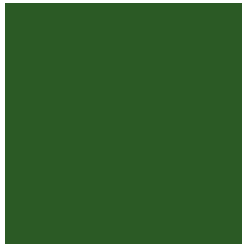
23, 62.531, 324.040



52, 110.297, 323.776

Previews

White Background



This preview shows how the CIELCh color 34, 37.777, 137.614 looks on a white background.

Color Contrast Check

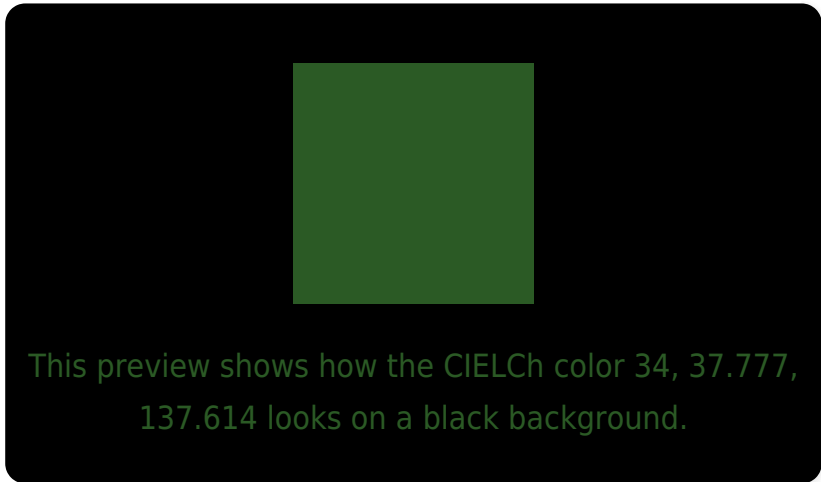
Large Text (above 18pt) WCAG AA ✓ Pass

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, 37.777, 137.614

Background



This preview shows how black text looks on a background with the CIELCh color 34, 37.777, 137.614.



This preview shows how white text looks on a background with the CIELCh color 34, 37.777, 137.614.

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, 37.777, 137.614

Protanopia

34, 28.144, 95.954

Deuteranopia

34, 24.582, 79.342



Tritanopia
34, 11.995, 216.381

Trichromacy



Original Color
34, 37.777, 137.614

Protanomaly
34, 29.840, 116.479

Deuteranomaly
33, 24.954, 109.185

Tritanomaly
34, 18.202, 163.502

Monochromacy



Original Color
34, 37.777, 137.614

Achromatopsia
30, 0.005, 296.813

Achromatomaly
31, 14.296, 140.313

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 37.777, 137.614 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(43, 90, 37)` looks like.

```
.text, #text, p{  
    color:rgb(43, 90, 37)  
}
```

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(43, 90, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 90, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 37.777, 137.614 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(43, 90, 37) }
```

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

```
.border{ border-color:rgb(43, 90, 37) }
```

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

Here you see how a box with a 4 pixel rgb(43, 90, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 90, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 90, 37);  
box-shadow:4px 4px 4px 4px rgb(43, 90, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 37.777, 137.614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 90, 37) }
```

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

```
.background{ background-color: rgb(43, 90,  
37) }
```

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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