

Converting Colors

CIELCh(34, 37.903, 109.887)

Have a look what the booklet for
CIELCh(34, 37.903, 109.887)
contains.

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Color

CIELCh(34, 37.863, 109.865)

Conversions

Conversions Part 1

Format	Color
Hex	4C5411
RGB	76, 84, 17
RGB Percent	30%, 33%, 7%
CMY	0.7001, 0.6688, 0.9314
CMYK	0.09, 0.00, 0.79, 0.67
HSL	67°, 66%, 20%
HSV	67°, 79%, 33%
XYZ	6.3281, 8.0082, 1.7630
YIQ	73.9700, 16.7390, -22.5330

Conversions

Conversions Part 2

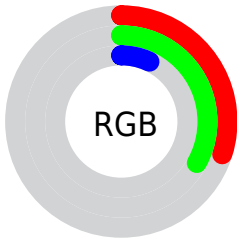
Format	Color
R_{YB}	17, 84, 25
Decimal	5002257
CIE Lab	34.00, -12.87, 35.61
CIE LCh	34, 37.863, 109.865
Yxy	8.0082, 0.3931, 0.4974
Android (android.graphics.Color)	4283192337 (0xFF4C5411)
YUV	73.9700, -28.0862, 1.7803
Hunter-Lab	28.2988, -9.6070, 16.1155

Details

The CIELCh color **34, 37.863, 109.865** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11, 47.222, 304.107**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 37.760, 109.632**, and **14, 23.170, 119.510** is the 20% darker color. If you saturate the color by 10%, you get **34, 40.778, 109.711**, and if you desaturate by 10%, it is **34, 34.176, 110.229**.

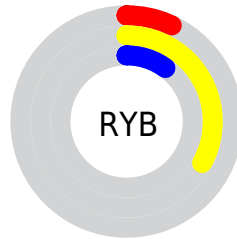
Distribution



 Red (30%)

 Green (33%)

 Blue (7%)




 Red (7%)

 Yellow (33%)

 Blue (10%)

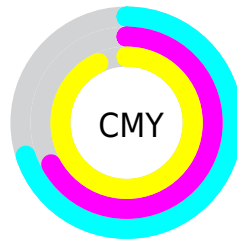


 Cyan (9%)

 Magenta (0%)

 Yellow (79%)

 Black (67%)



 Cyan (70%)


 Magenta (67%)


 Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 37.863, 109.865 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, 37.863, 109.865 by changing the saturation by 10% instead.


 34, 37.863,
109.865

 34, 37.863,
109.865

 100, 37.863,
109.865


 24, 37.863,
109.865

 54, 37.863,
109.865


 14, 37.863,
109.865


 64, 37.863,
109.865

 4, 37.863, 109.865

 74, 37.863,
109.865

 0, 37.863, 109.865

 84, 37.863,
109.865

 94, 37.863,
109.865

■ 34, 37.863,
109.865

■ 34, 37.863,
109.865

■ 34, 40.778,
109.711

■ 34, 34.176,
110.229

■ 34, 43.531,
109.571

■ 34, 29.916,
110.741

■ 34, 43.742,
109.556

■ 35, 25.263,
111.356

■ 35, 20.353,
112.034

■ 35, 15.278,
112.747

■ 35, 10.104,
113.473

■ 36, 4.874, 114.196

■ 36, 0.382, 294.936

Harmonies

Complementary

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



34, 37.863, 109.865



11, 47.222, 304.107

Rectangle

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



34, 37.863, 109.865



34, 37.863, 159.865



34, 37.863, 289.865



34, 37.863, 339.865

Sweetspot

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



34, 37.863, 109.867



45, 15.568, 113.071



19, 33.577, 36.575



23, 10.770, 112.908



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, 37.863, 109.867



44, 51.204, 109.759



32, 42.620, 130.044



18, 3.003, 114.230



43, 51.646, 109.758



88, 91.917, 110.208

Inverse Universe

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



11, 47.222, 304.107



12, 68.127, 306.272



15, 45.713, 315.774



16, 3.060, 295.521



10, 69.914, 306.968



30, 124.912, 306.643

Previews

White Background



This preview shows how the CIELCh color 34, 37.863, 109.865 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 CIELCh color 34, 37.863, 109.865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

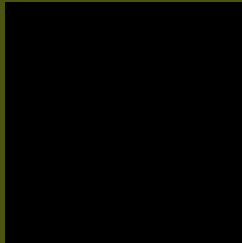
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

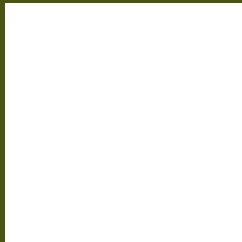
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 34, 37.863, 109.865

Background



This preview shows how black text looks on a background with the CIELCh color 34, 37.863, 109.865.



This preview shows how white text looks on a background with the CIELCh color 34, 37.863, 109.865.

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, 37.863, 109.865

Protanopia

34, 36.719, 95.671

Deuteranopia

34, 34.592, 83.168



Tritanopia
34, 4.149, 314.913

Trichromacy



Original Color
34, 37.863, 109.865

Protanomaly
34, 36.804, 101.402

Deuteranomaly
34, 34.835, 93.820

Tritanomaly
34, 13.028, 107.900

Monochromacy



Original Color
34, 37.863, 109.865

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 15.635, 112.608

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 37.863, 109.865 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(76, 84, 17)` looks like.

```
.text, #text, p{  
    color:rgb(76, 84, 17)  
}
```

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(76, 84, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 84, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 37.863, 109.865 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(76, 84, 17) }
```

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

```
.border{ border-color:rgb(76, 84, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 84, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 84, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 84, 17);  
box-shadow:4px 4px 4px 4px rgb(76, 84, 17)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 37.863, 109.865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 84, 17) }
```

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

```
.background{ background-color: rgb(76, 84,  
17) }
```

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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