

Converting Colors

CIELCh(34, 51.387, 137.642)

Have a look what the booklet for
CIELCh(34, 51.387, 137.642)
contains.

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Color

CIELCh(34, 51.421, 137.508)

Conversions

Conversions Part 1

Format	Color
Hex	115D11
RGB	17, 93, 17
RGB Percent	7%, 36%, 7%
CMY	0.9327, 0.6349, 0.9329
CMYK	0.82, 0.00, 0.82, 0.63
HSL	120°, 69%, 22%
HSV	120°, 82%, 37%
XYZ	4.2595, 8.0082, 1.8561
YIQ	61.6120, -20.9000, -39.7480

Conversions

Conversions Part 2

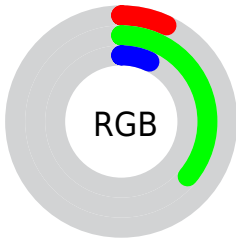
Format	Color
R_{YB}	17, 93, 93
Decimal	1137937
CIE Lab	34.00, -37.92, 34.73
CIE LCh	34, 51.421, 137.508
Yxy	8.0082, 0.3016, 0.5670
Android (android.graphics.Color)	4279328017 (0xFF115D11)
YUV	61.6120, -21.9937, -39.1247
Hunter-Lab	28.2988, -22.6550, 15.9204

Details

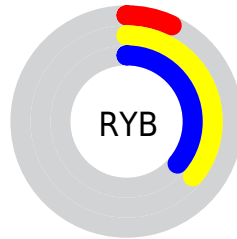
The CIELCh color **34, 51.421, 137.508** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **22, 50.293, 327.894**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 51.265, 137.709**, and **15, 33.785, 140.203** is the 20% darker color. If you saturate the color by 10%, you get **34, 54.722, 136.701**, and if you desaturate by 10%, it is **34, 46.990, 138.491**.

Distribution



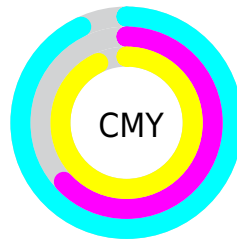
- Red (7%)
- Green (36%)
- Blue (7%)



- Red (7%)
- Yellow (36%)
- Blue (36%)



- Cyan (82%)
- Magenta (0%)
- Yellow (82%)
- Black (63%)





- Cyan (93%)
- Magenta (63%)
- Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 51.421, 137.508 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, 51.421, 137.508 by changing the saturation by 10% instead.


 34, 51.421,
137.508


 34, 51.421,
137.508

 100, 51.421,
137.508


 24, 51.421,
137.508

 54, 51.421,
137.508


 14, 51.421,
137.508

 64, 51.421,
137.508

 4, 51.421, 137.508

 74, 51.421,
137.508

 0, 51.421, 137.508

 84, 51.421,
137.508

 94, 51.421,
137.508

■ 34, 51.421,
137.508

■ 34, 51.421,
137.508

■ 34, 54.722,
136.701

■ 34, 46.990,
138.491

■ 34, 57.337,
136.009

■ 35, 41.622,
139.543

■ 35, 35.558,
140.575

■ 36, 29.012,
141.532

■ 37, 22.164,
142.390

■ 37, 15.161,
143.144

■ 38, 8.117, 143.801

■ 39, 1.119, 144.473

Harmonies

Complementary

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



34, 51.421, 137.508



22, 50.293, 327.894

Rectangle

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



34, 51.421, 137.508



34, 51.421, 187.508



34, 51.421, 317.508



34, 51.421, 7.508

Sweetspot

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



34, 51.421, 137.509



47, 20.728, 142.921



38, 40.888, 102.728



24, 14.352, 142.740



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, 51.421, 137.509



43, 67.946, 136.144



34, 36.324, 153.296



18, 3.861, 143.972



40, 64.319, 136.011



82, 113.374, 136.014

Inverse Universe

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



22, 50.293, 327.894



28, 65.650, 328.181



20, 37.283, 352.856



17, 3.868, 324.845



25, 62.064, 328.206



56, 109.394, 328.204

Previews

White Background



This preview shows how the CIELCh color 34, 51.421, 137.508 looks on a white background.

Color Contrast Check

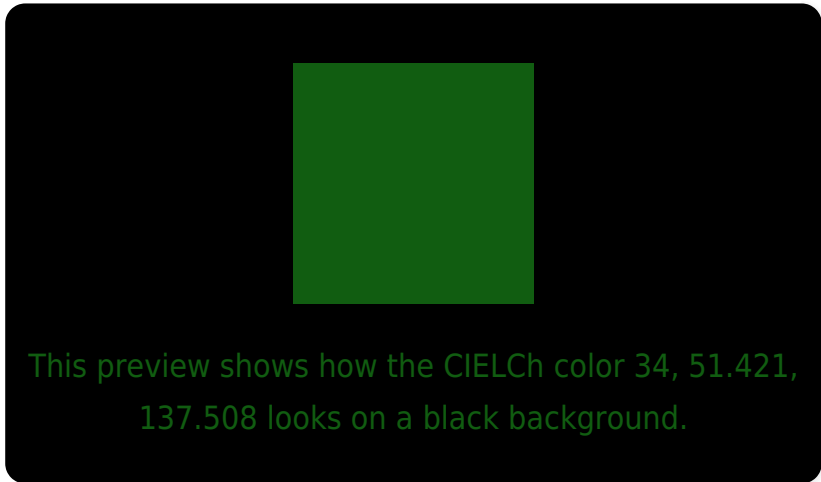
Large Text (above 18pt) WCAG AA ✓ Pass

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

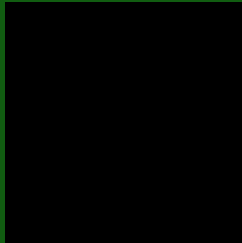
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 51.421, 137.508

Background



This preview shows how black text looks on a background with the CIELCh color 34, 51.421, 137.508.



This preview shows how white text looks on a background with the CIELCh color 34, 51.421, 137.508.

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

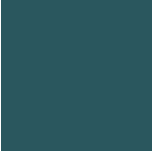
34, 51.421, 137.508

Protanopia

34, 37.467, 95.693

Deuteranopia

34, 32.753, 82.377



Tritanopia
34, 15.911, 213.634

Trichromacy



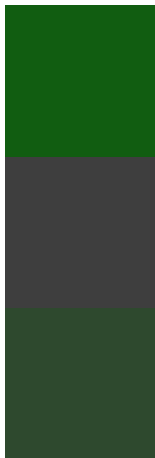
Original Color
34, 51.421, 137.508

Protanomaly
33, 40.309, 118.436

Deuteranomaly
33, 34.778, 114.131

Tritanomaly
34, 25.832, 162.144

Monochromacy



Original Color
34, 51.421, 137.508

Achromatopsia
26, 0.004, 296.813

Achromatomaly
28, 21.162, 142.069

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 51.421, 137.508 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(17, 93, 17)` looks like.

```
.text, #text, p{  
    color:rgb(17, 93, 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(17, 93, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 93, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 51.421, 137.508 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(17, 93, 17) }
```

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

```
.border{ border-color:rgb(17, 93, 17) }
```

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

Here you see how a box with a 4 pixel rgb(17, 93, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 93, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 93, 17);  
box-shadow:4px 4px 4px 4px rgb(17, 93, 17)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 51.421, 137.508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 93, 17) }
```

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

```
.background{ background-color: rgb(17, 93,  
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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