

Converting Colors

CIELCh(37, 56.681, 136.702)

Have a look what the booklet for
CIELCh(37, 56.681, 136.702)
contains.

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Color

CIELCh(37, 56.548, 136.652)

Conversions

Conversions Part 1

Format	Color
Hex	11650E
RGB	17, 101, 14
RGB Percent	7%, 40%, 5%
CMY	0.9342, 0.6022, 0.9469
CMYK	0.83, 0.00, 0.87, 0.60
HSL	118°, 76%, 23%
HSV	118°, 87%, 40%
XYZ	4.9984, 9.5379, 1.9766
YIQ	65.9660, -22.1370, -44.8650

Conversions

Conversions Part 2

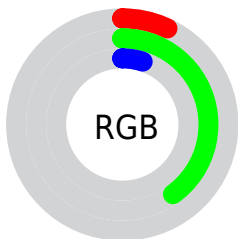
Format	Color
RYB	14, 101, 98
Decimal	1139982
CIELab	37.00, -41.12, 38.82
CIELCh	37, 56.548, 136.652
Yxy	9.5379, 0.3027, 0.5776
Android (android.graphics.Color)	4279330062 (0xFF11650E)
YUV	65.9660, -25.6192, -42.9432
Hunter-Lab	30.8835, -25.1567, 17.8238

Details

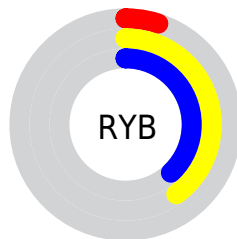
The CIELCh color **37, 56.548, 136.652** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **23, 55.316, 326.769**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 56.298, 136.702**, and **18, 37.921, 138.389** is the 20% darker color. If you saturate the color by 10%, you get **37, 59.596, 135.981**, and if you desaturate by 10%, it is **37, 52.436, 137.421**.

Distribution



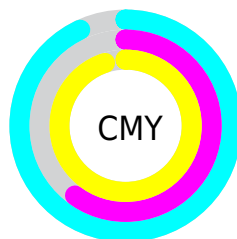
- Red (7%)
- Green (40%)
- Blue (5%)



- Red (5%)
- Yellow (40%)
- Blue (38%)



- Cyan (83%)
- Magenta (0%)
- Yellow (87%)
- Black (60%)





- Cyan (93%)
- Magenta (60%)
- Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 56.548, 136.652 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 37, 56.548, 136.652 by changing the saturation by 10% instead.


 37, 56.548,
136.652


 37, 56.548,
136.652

 100, 56.548,
136.652

 27, 56.548,
136.652

 57, 56.548,
136.652


 17, 56.548,
136.652


 67, 56.548,
136.652

 7, 56.548, 136.652

 77, 56.548,
136.652

 0, 56.548, 136.652

 87, 56.548,
136.652

 97, 56.548,
136.652

■ 37, 56.548,
136.652

■ 37, 56.548,
136.652

■ 37, 59.596,
135.981

■ 37, 52.436,
137.421

■ 37, 60.622,
135.708

■ 38, 47.186,
138.343

■ 38, 41.070,
139.311

■ 39, 34.337,
140.247

■ 39, 27.201,
141.108

■ 40, 19.834,
141.877

■ 41, 12.370,
142.553

■ 42, 4.913, 143.151

Harmonies

Complementary

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



37, 56.548, 136.652



23, 55.316, 326.769

Rectangle

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



37, 56.548, 136.652



37, 56.548, 186.652



37, 56.548, 316.652



37, 56.548, 6.652

Sweetspot

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



37, 56.548, 136.653



52, 24.112, 141.869



40, 44.188, 100.525



26, 16.210, 141.696



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



37, 56.548, 136.653



48, 73.477, 135.789



37, 41.868, 150.607



21, 4.172, 143.019



42, 66.192, 135.748



84, 115.043, 135.908

Inverse Universe

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



23, 55.316, 326.769



30, 71.239, 326.826



22, 41.569, 351.806



20, 4.181, 323.873



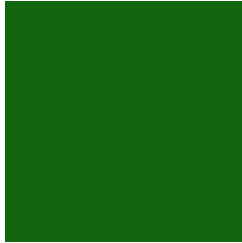
26, 64.210, 326.847



56, 111.367, 326.763

Previews

White Background



This preview shows how the CIELCh color 37, 56.548, 136.652 looks on a white background.

Color Contrast Check

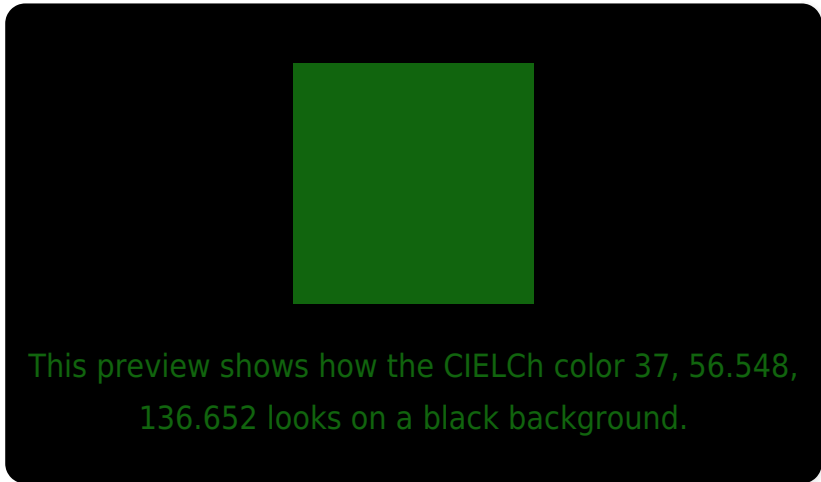
Large Text (above 18pt) WCAG AA ✓ Pass

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

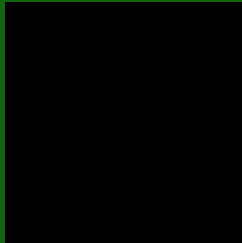
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 56.548, 136.652

Background



This preview shows how black text looks on a background with the CIELCh color 37, 56.548, 136.652.



This preview shows how white text looks on a background with the CIELCh color 37, 56.548, 136.652.

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
37, 56.203, 136.714

Protanopia
37, 41.933, 95.554

Deuteranopia
37, 36.468, 82.040



Tritanopia
37, 17.025, 214.521

Trichromacy



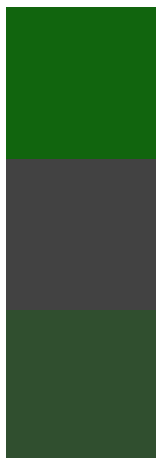
Original Color
37, 56.203, 136.714

Protanomaly
36, 44.662, 118.418

Deuteranomaly
35, 38.887, 114.131

Tritanomaly
37, 28.690, 160.448

Monochromacy



Original Color
37, 56.203, 136.714

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 24.452, 141.027

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 56.548, 136.652 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, 101, 14)` looks like.

```
.text, #text, p{  
    color:rgb(17, 101, 14)  
}
```

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, 101, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 101, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 56.548, 136.652 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, 101, 14) }
```

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

```
.border{ border-color:rgb(17, 101, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 101, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 101, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 101, 14);  
box-shadow:4px 4px 4px 4px rgb(17, 101,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 56.548, 136.652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 101, 14) }
```

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

```
.background{ background-color: rgb(17, 101,  
14) }
```

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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