

Converting Colors

CIELCh(36, 64.566, 143.471)

Have a look what the booklet for
CIELCh(36, 64.566, 143.471)
contains.

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Color

CIELCh(37, 58.864, 137.570)

Conversions

Conversions Part 1

Format	Color
Hex	00660A
RGB	0, 102, 10
RGB Percent	0%, 40%, 4%
CMY	0.9995, 0.5997, 0.9604
CMYK	1.00, 0.00, 0.90, 0.60
HSL	126°, 100%, 20%
HSV	126°, 100%, 40%
XYZ	4.8145, 9.5379, 1.8769
YIQ	61.0140, -31.2600, -50.2360

Conversions

Conversions Part 2

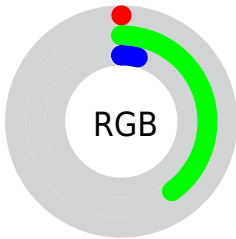
Format	Color
RYB	0, 93, 102
Decimal	26122
CIELab	37.00, -43.45, 39.71
CIELCh	37, 58.864, 137.570
Yxy	9.5379, 0.2967, 0.5877
Android (android.graphics.Color)	4278216202 (0xFF00660A)
YUV	61.0140, -25.1499, -53.5093
Hunter-Lab	30.8835, -26.2196, 18.0152

Details

The CIELCh color **37, 58.864, 137.570** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **22, 54.843, 332.282**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 58.735, 137.622**, and **18, 37.921, 138.389** is the 20% darker color. If you saturate the color by 10%, you get **37, 58.900, 137.563**, and if you desaturate by 10%, it is **37, 55.779, 138.450**.

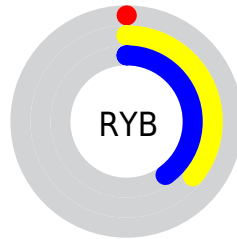
Distribution



Red (0%)

Green (40%)

Blue (4%)



Red (0%)

Yellow (36%)

Blue (40%)

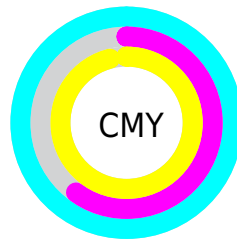


Cyan (100%)

Magenta (0%)

Yellow (90%)

Black (60%)



Cyan (100%)


Magenta (60%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 58.864, 137.570 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, 58.864, 137.570 by changing the saturation by 10% instead.


 37, 58.864,
137.570


 37, 58.864,
137.570

 100, 58.864,
137.570

 27, 58.864,
137.570

 57, 58.864,
137.570

 17, 58.864,
137.570


 67, 58.864,
137.570

 7, 58.864, 137.570

 77, 58.864,
137.570

 0, 58.864, 137.570

 87, 58.864,
137.570

 97, 58.864,
137.570

■ 37, 58.864,
137.570

■ 37, 58.864,
137.570

■ 37, 58.900,
137.563

■ 37, 55.779,
138.450

■ 37, 51.769,
139.691

■ 38, 46.809,
140.966

■ 38, 41.087,
142.192

■ 39, 34.789,
143.320

■ 39, 28.085,
144.328

■ 40, 21.128,
145.215

■ 41, 14.046,

145.986

■ 42, 6.943, 146.662

Harmonies

Complementary

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



37, 58.864, 137.570



22, 54.843, 332.282

Rectangle

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



37, 58.864, 137.570



37, 58.864, 187.570



37, 58.864, 317.570



37, 58.864, 7.570

Sweetspot

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



37, 58.864, 137.571



52, 26.311, 145.132



41, 49.662, 107.692



26, 17.791, 144.880



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, 58.864, 137.571



48, 71.631, 137.195



38, 40.410, 155.170



21, 3.947, 146.722



42, 64.275, 137.382



84, 113.285, 136.711

Inverse Universe

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



22, 54.843, 332.282



30, 66.008, 332.416



20, 43.066, 6.938



20, 3.956, 327.654



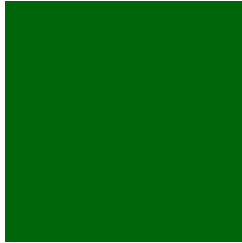
26, 59.562, 332.349



56, 102.833, 332.627

Previews

White Background



This preview shows how the CIELCh color 37, 58.864, 137.570 looks on a white background.

Color Contrast Check

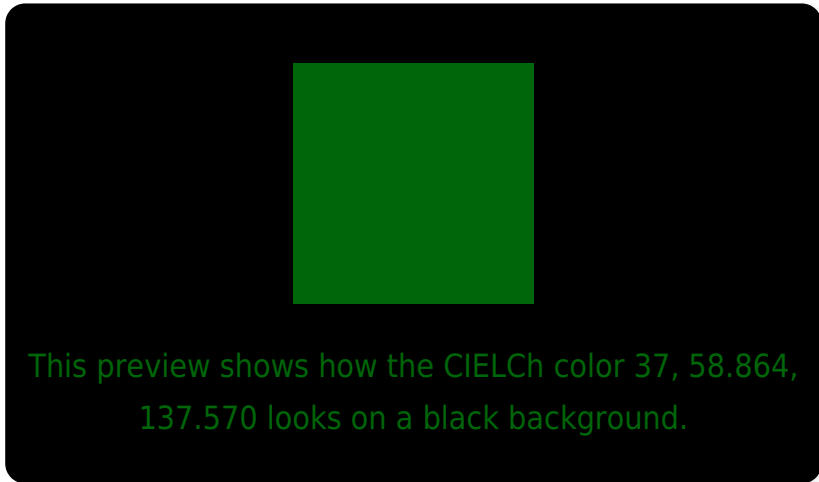
Large Text (above 18pt) WCAG AA ✓ Pass

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

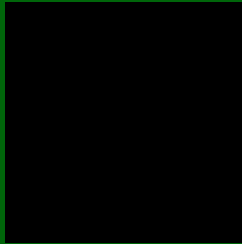
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 58.864, 137.570

Background



This preview shows how black text looks on a background with the CIELCh color 37, 58.864, 137.570.



This preview shows how white text looks on a background with the CIELCh color 37, 58.864, 137.570.

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, 58.864, 137.570

Protanopia

37, 44.652, 95.569

Deuteranopia

37, 37.103, 83.200



Tritanopia
37, 17.732, 213.726

Trichromacy



Original Color
37, 58.864, 137.570

Protanomaly
35, 47.435, 120.664

Deuteranomaly
35, 40.876, 118.229

Tritanomaly
37, 31.173, 160.699

Monochromacy



Original Color
37, 58.864, 137.570

Achromatopsia
26, 0.004, 296.813

Achromatomaly
29, 27.017, 143.177

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 58.864, 137.570 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(0, 102, 10)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 10)  
}
```

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(0, 102, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 58.864, 137.570 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(0, 102, 10) }
```

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

```
.border{ border-color:rgb(0, 102, 10) }
```

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

Here you see how a box with a 4 pixel rgb(0, 102, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 10);  
box-shadow:4px 4px 4px 4px rgb(0, 102, 10)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 58.864, 137.570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 102, 10) }
```

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

```
.background{ background-color: rgb(0, 102,  
10) }
```

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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