

Converting Colors

CIELCh(37, 62.649, 117.608)

Have a look what the booklet for
CIELCh(37, 62.649, 117.608)
contains.

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Color

CIELCh(37, 51.291, 122.585)

Conversions

Conversions Part 1

Format	Color
Hex	3C6100
RGB	60, 97, 0
RGB Percent	24%, 38%, 0%
CMY	0.7642, 0.6191, 0.9994
CMYK	0.38, 0.00, 1.00, 0.62
HSL	83°, 100%, 19%
HSV	83°, 100%, 38%
XYZ	6.1586, 9.5379, 1.5205
YIQ	74.8790, 9.0850, -38.0110

Conversions

Conversions Part 2

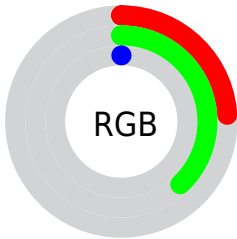
Format	Color
RYB	0, 97, 37
Decimal	3956992
CIELab	37.00, -27.62, 43.22
CIElCh	37, 51.291, 122.585
Yxy	9.5379, 0.3577, 0.5540
Android (android.graphics.Color)	4282147072 (0xFF3C6100)
YUV	74.8790, -36.9153, -13.0489
Hunter-Lab	30.8835, -18.4506, 18.6995

Details

The CIELCh color **37, 51.291, 122.585** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **11, 62.514, 310.195**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 51.478, 122.351**, and **17, 35.287, 137.319** is the 20% darker color. If you saturate the color by 10%, you get **37, 51.340, 122.590**, and if you desaturate by 10%, it is **37, 48.187, 122.214**.

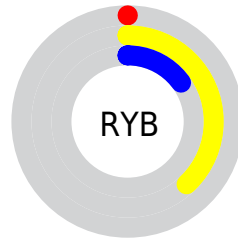
Distribution



Red (24%)

Green (38%)

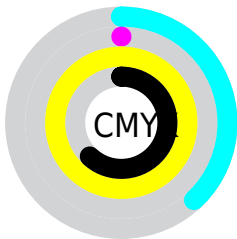
Blue (0%)



Red (0%)

Yellow (38%)

Blue (15%)

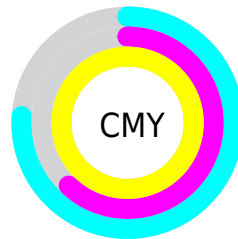


Cyan (38%)

Magenta (0%)

Yellow (100%)

Black (62%)



Cyan (76%)


Magenta (62%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 51.291, 122.585 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, 51.291, 122.585 by changing the saturation by 10% instead.


 37, 51.291,
122.585


 37, 51.291,
122.585

 100, 51.291,
122.585


 27, 51.291,
122.585

 57, 51.291,
122.585


 17, 51.291,
122.585


 67, 51.291,
122.585

 7, 51.291, 122.585

 77, 51.291,
122.585

 0, 51.291, 122.585

 87, 51.291,
122.585

 97, 51.291,
122.585

■ 37, 51.291,
122.585

■ 37, 51.291,
122.585

■ 37, 51.340,
122.590

■ 37, 48.187,
122.214

■ 38, 44.724,
121.882

■ 38, 40.364,
121.876

■ 38, 35.343,
122.096

■ 39, 29.869,
122.460

■ 39, 24.101,
122.905

■ 40, 18.154,
123.388

■ 40, 12.104,

123.883

■ 41, 6.007, 124.373

Harmonies

Complementary

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



37, 51.291, 122.585



11, 62.514, 310.195

Rectangle

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



37, 51.291, 122.585



37, 51.291, 172.585



37, 51.291, 302.585



37, 51.291, 352.585

Sweetspot

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



37, 51.291, 122.586



51, 22.811, 123.335



23, 42.338, 51.810



26, 15.407, 123.196



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



37, 51.291, 122.586



48, 62.511, 123.075



35, 58.065, 134.834



20, 3.414, 124.420



43, 56.952, 122.861



86, 100.312, 123.839

Inverse Universe

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



11, 62.514, 310.195



16, 76.223, 309.875



19, 57.469, 323.406



18, 3.466, 305.244



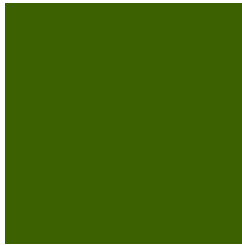
14, 69.444, 310.019



35, 122.302, 309.375

Previews

White Background



This preview shows how the CIELCh color 37, 51.291, 122.585 looks on a white background.

Color Contrast Check

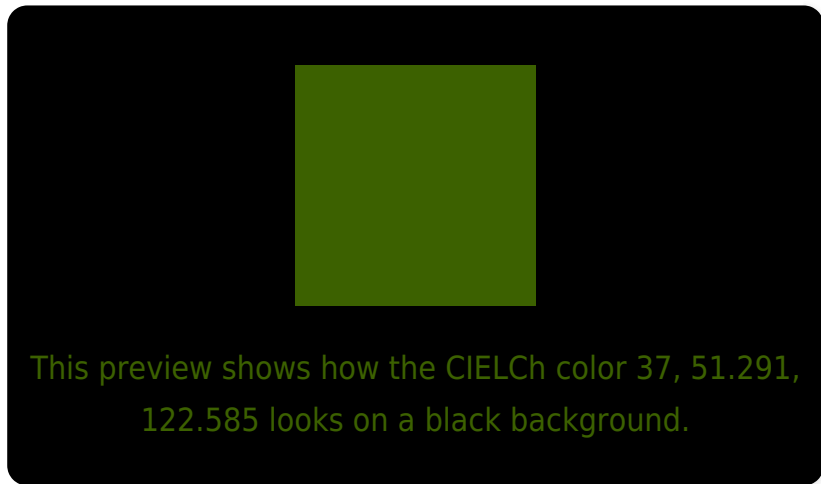
Large Text (above 18pt) WCAG AA ✓ Pass

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

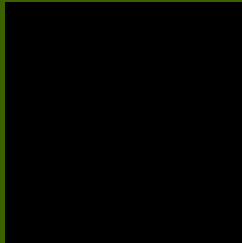
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 51.291, 122.585

Background



This preview shows how black text looks on a background with the CIELCh color 37, 51.291, 122.585.



This preview shows how white text looks on a background with the CIELCh color 37, 51.291, 122.585.

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](#).

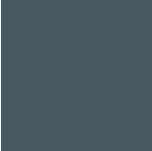
Dichromacy



Original Color
37, 51.291, 122.585

Protanopia
37, 44.652, 95.569

Deuteranopia
37, 38.956, 82.974



Tritanopia
37, 8.697, 233.472

Trichromacy



Original Color
37, 51.291, 122.585

Protanomaly
37, 45.838, 107.260

Deuteranomaly
36, 41.049, 101.282

Tritanomaly
37, 22.169, 138.235

Monochromacy



Original Color
37, 51.291, 122.585

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 22.322, 122.445

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 51.291, 122.585 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(60, 97, 0)` looks like.

```
.text, #text, p{  
    color:rgb(60, 97, 0)  
}
```

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(60, 97, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 97, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 51.291, 122.585 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(60, 97, 0) }
```

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

```
.border{ border-color:rgb(60, 97, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 97, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 97, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(60, 97, 0); box-shadow:4px  
4px 4px 4px rgb(60, 97, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 51.291, 122.585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 97, 0) }
```

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

```
.background{ background-color: rgb(60, 97,  
0) }
```

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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