

Converting Colors

CIELCh(37, 47.428, 102.872)

Have a look what the booklet for
CIELCh(37, 47.428, 102.872)
contains.

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Color

CIELCh(37, 45.315, 102.852)

Conversions

Conversions Part 1

Format	Color
Hex	5A5A00
RGB	90, 90, 0
RGB Percent	35%, 35%, 0%
CMY	0.6461, 0.6461, 0.9990
CMYK	0.00, 0.00, 1.00, 0.65
HSL	60°, 99%, 18%
HSV	60°, 100%, 35%
XYZ	7.9177, 9.5379, 1.4311
YIQ	79.7400, 28.8900, -27.9900

Conversions

Conversions Part 2

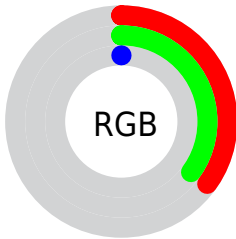
Format	Color
RYB	0, 90, 0
Decimal	5921280
CIELab	37.00, -10.08, 44.18
CIELCh	37, 45.315, 102.852
Yxy	9.5379, 0.4192, 0.5050
Android (android.graphics.Color)	4284111360 (0xFF5A5A00)
YUV	79.7400, -39.3118, 8.9980
Hunter-Lab	30.8835, -8.2835, 18.8710

Details

The CIELCh color **37, 45.315, 102.852** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **7, 62.207, 306.067**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 45.285, 103.030**, and **17, 26.119, 110.529** is the 20% darker color. If you saturate the color by 10%, you get **37, 45.396, 102.842**, and if you desaturate by 10%, it is **37, 42.676, 103.257**.

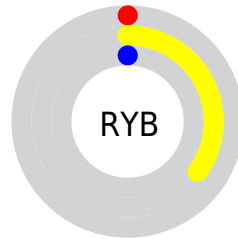
Distribution



Red (35%)

Green (35%)

Blue (0%)



Red (0%)

Yellow (35%)

Blue (0%)

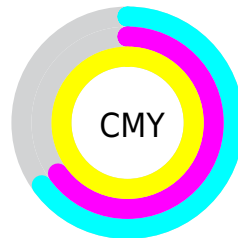


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (65%)



Cyan (65%)


Magenta (65%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 45.315, 102.852 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, 45.315, 102.852 by changing the saturation by 10% instead.


 37, 45.315,
102.852


 37, 45.315,
102.852


 100, 45.315,
102.852

 27, 45.315,
102.852

 57, 45.315,
102.852


 17, 45.315,
102.852


 67, 45.315,
102.852

 7, 45.315, 102.852

 77, 45.315,
102.852

 0, 45.315, 102.852

 87, 45.315,
102.852

 97, 45.315,
102.852

■ 37, 45.315,
102.852

■ 37, 45.315,
102.852

■ 37, 45.396,
102.842

■ 37, 42.676,
103.257

■ 37, 39.778,
103.707

■ 37, 36.013,
104.301

■ 37, 31.605,
105.008

■ 37, 26.753,
105.798

■ 37, 21.612,
106.643

■ 38, 16.289,
107.521

■ 38, 10.855,

108.414

■ 38, 5.359, 109.305

Harmonies

Complementary

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



37, 45.315, 102.852



7, 62.207, 306.067

Rectangle

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



37, 45.315, 102.852



37, 45.315, 152.852



37, 45.315, 282.852



37, 45.315, 332.852

Sweetspot

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



37, 45.315, 102.854



49, 20.400, 107.410



16, 44.981, 33.518



24, 13.754, 107.180



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



37, 45.315, 102.854



48, 54.596, 102.841



34, 50.179, 126.294



19, 3.137, 109.381



45, 52.036, 102.842



91, 91.719, 102.841

Inverse Universe

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



7, 62.207, 306.067



11, 75.387, 306.284



11, 58.073, 312.324



17, 3.199, 291.009



10, 71.852, 306.283



30, 126.657, 306.286

Previews

White Background



This preview shows how the CIELCh color 37, 45.315, 102.852 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 37, 45.315, 102.852 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 37, 45.315, 102.852

Background



This preview shows how black text looks on a background with the CIELCh color 37, 45.315, 102.852.



This preview shows how white text looks on a background with the CIELCh color 37, 45.315, 102.852.

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, 45.315, 102.852

Protanopia

37, 44.652, 95.569

Deuteranopia

37, 41.140, 83.769



Tritanopia
37, 6.332, 344.595

Trichromacy



Original Color
37, 45.315, 102.852

Protanomaly
37, 44.764, 98.254

Deuteranomaly
37, 42.159, 91.314

Tritanomaly
37, 18.154, 95.049

Monochromacy



Original Color
37, 45.315, 102.852

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 20.167, 106.721

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 45.315, 102.852 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(90, 90, 0)` looks like.

```
.text, #text, p{  
    color:rgb(90, 90, 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(90, 90, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 90, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 45.315, 102.852 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(90, 90, 0) }
```

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

```
.border{ border-color:rgb(90, 90, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 90, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 90, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(90, 90, 0); box-shadow:4px  
4px 4px 4px rgb(90, 90, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 45.315, 102.852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 90, 0) }
```

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

```
.background{ background-color: rgb(90, 90,  
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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