

Converting Colors

CIELCh(37, 42.521, 103.330)

Have a look what the booklet for
CIELCh(37, 42.521, 103.330)
contains.

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Color

CIELCh(37, 42.388, 103.299)

Conversions

Conversions Part 1

Format	Color
Hex	5A5A0A
RGB	90, 90, 10
RGB Percent	35%, 35%, 4%
CMY	0.6465, 0.6465, 0.9600
CMYK	0.00, 0.00, 0.89, 0.65
HSL	60°, 80%, 20%
HSV	60°, 89%, 35%
XYZ	7.9535, 9.5379, 1.7144
YIQ	80.8800, 25.6800, -24.8800

Conversions

Conversions Part 2

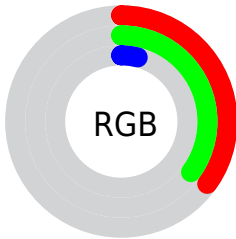
Format	Color
R_{YB}	10, 90, 10
Decimal	5921290
CIE _{Lab}	37.00, -9.75, 41.25
CIE _{LCh}	37, 42.388, 103.299
Yxy	9.5379, 0.4141, 0.4966
Android (android.graphics.Color)	4284111370 (0xFF5A5A0A)
YUV	80.8800, -34.9438, 7.9982
Hunter-Lab	30.8835, -8.0764, 18.3272

Details

The CIELCh color $37, 42.388, 103.299$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $9, 55.777, 304.216$, and the grayscale version is $35, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 42.450, 103.260$, and $17, 26.064, 109.297$ is the 20% darker color. If you saturate the color by 10%, you get $37, 44.998, 102.902$, and if you desaturate by 10%, it is $37, 39.397, 103.766$.

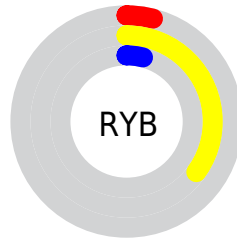
Distribution



Red (35%)

Green (35%)

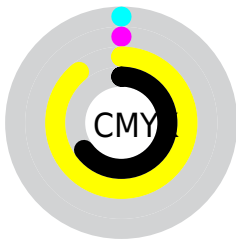
Blue (4%)



Red (4%)

Yellow (35%)

Blue (4%)

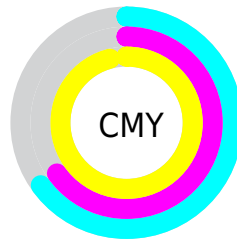


Cyan (0%)

Magenta (0%)

Yellow (89%)

Black (65%)



Cyan (65%)


Magenta (65%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 42.388, 103.299 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, 42.388, 103.299 by changing the saturation by 10% instead.

 37, 42.388,
103.299

 37, 42.388,
103.299

 100, 42.388,
103.299

 27, 42.388,
103.299

 57, 42.388,
103.299


 17, 42.388,
103.299

 67, 42.388,
103.299

 7, 42.388, 103.299

 77, 42.388,
103.299

 0, 42.388, 103.299

 87, 42.388,
103.299

 97, 42.388,
103.299

■ 37, 42.388,
103.299

■ 37, 42.388,
103.299

■ 37, 44.998,
102.902

■ 37, 39.397,
103.766

■ 37, 45.362,
102.847

■ 37, 35.560,
104.373

■ 37, 31.102,
105.090

■ 37, 26.219,
105.887

■ 37, 21.060,
106.736

■ 38, 15.727,
107.616

■ 38, 10.290,
108.509

■ 38, 4.794, 109.399

Harmonies

Complementary

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



37, 42.388, 103.299



9, 55.777, 304.216

Rectangle

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



37, 42.388, 103.299



37, 42.388, 153.299



37, 42.388, 283.299



37, 42.388, 333.299

Sweetspot

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



37, 42.388, 103.301



49, 18.395, 107.689



18, 41.284, 32.499



24, 12.256, 107.514



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, 42.388, 103.301



48, 54.599, 102.847



34, 46.533, 126.000



19, 3.137, 109.385



45, 52.040, 102.847



91, 91.725, 102.847

Inverse Universe

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



9, 55.777, 304.216



11, 75.392, 306.285



13, 52.948, 312.143



17, 3.199, 291.013



10, 71.857, 306.285



30, 126.661, 306.286

Previews

White Background



This preview shows how the CIELCh color 37, 42.388, 103.299 looks on a white background.

Color Contrast Check

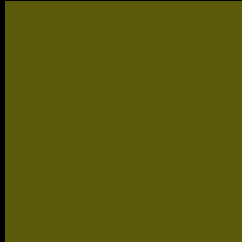
Large Text (above 18pt) WCAG AA ✓ Pass

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, 42.388, 103.299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

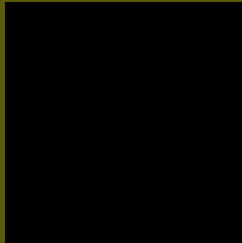
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 42.388, 103.299

Background



This preview shows how black text looks on a background with the CIELCh color 37, 42.388, 103.299.



This preview shows how white text looks on a background with the CIELCh color 37, 42.388, 103.299.

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, 42.388, 103.299

Protanopia

37, 41.933, 95.554

Deuteranopia

37, 40.101, 83.453



Tritanopia
37, 6.332, 344.595

Trichromacy



Original Color
37, 42.388, 103.299

Protanomaly
37, 42.061, 98.399

Deuteranomaly
37, 40.316, 91.098

Tritanomaly
37, 15.799, 93.774

Monochromacy



Original Color
37, 42.388, 103.299

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 17.789, 107.133

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 42.388, 103.299 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, 10)` looks like.

```
.text, #text, p{  
  color:rgb(90, 90, 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(90, 90, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 90, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 42.388, 103.299 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, 10) }
```

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

```
.border{ border-color:rgb(90, 90, 10) }
```

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, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 90, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 90, 10);  
box-shadow:4px 4px 4px 4px rgb(90, 90, 10)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 42.388, 103.299 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, 10) }
```

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

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