

Converting Colors

CIELCh(42, 37.873, 90.153)

Have a look what the booklet for
CIELCh(42, 37.873, 90.153) contains.

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Color

CIELCh(42, 37.734, 90.880)

Conversions

Conversions Part 1

Format	Color
Hex	746222
RGB	116, 98, 34
RGB Percent	45%, 38%, 13%
CMY	0.5461, 0.6166, 0.8676
CMYK	0.00, 0.16, 0.71, 0.55
HSL	47°, 55%, 29%
HSV	47°, 71%, 45%
XYZ	11.7984, 12.5000, 3.2864
YIQ	96.0860, 31.2720, -16.0880

Conversions

Conversions Part 2

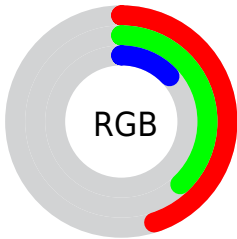
Format	Color
R_{YB}	57, 116, 34
Decimal	7627298
CIE Lab	42.00, -0.58, 37.73
CIE LCh	42, 37.734, 90.880
Yxy	12.5000, 0.4277, 0.4531
Android (android.graphics.Color)	4285817378 (0xFF746222)
YUV	96.0860, -30.6084, 17.4646
Hunter-Lab	35.3553, -2.3045, 19.2376

Details

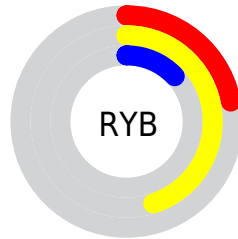
The CIELCh color **42, 37.734, 90.880** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **24, 42.249, 292.374**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 37.638, 90.842**, and **22, 31.015, 89.837** is the 20% darker color. If you saturate the color by 10%, you get **41, 41.910, 89.593**, and if you desaturate by 10%, it is **43, 32.898, 92.130**.

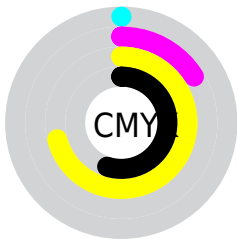
Distribution



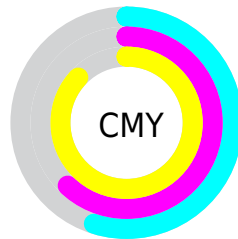
- Red (45%)
- Green (38%)
- Blue (13%)



- Red (22%)
- Yellow (45%)
- Blue (13%)



- Cyan (0%)
- Magenta (16%)
- Yellow (71%)
- Black (55%)



- Cyan (55%)
- Magenta (62%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 37.734, 90.880 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 42, 37.734, 90.880 by changing the saturation by 10% instead.

■ 42, 37.734, 90.880 ■ 42, 37.734, 90.880

■ 100, 37.734, 90.880 ■ 32, 37.734, 90.880

■ 62, 37.734, 90.880 ■ 22, 37.734, 90.880

■ 72, 37.734, 90.880 ■ 12, 37.734, 90.880

■ 82, 37.734, 90.880 ■ 2, 37.734, 90.880

■ 92, 37.734, 90.880 ■ 0, 37.734, 90.880

■ 42, 37.734, 90.880 ■ 42, 37.734, 90.880

■ 41, 41.910, 89.593 ■ 43, 32.898, 92.130

■ 40, 45.044, 88.221 ■ 44, 27.688, 93.354

■ 40, 47.473, 86.963

■ 45, 22.289, 94.558

■ 46, 16.812, 95.741

■ 47, 11.323, 96.898

■ 48, 5.859, 98.019

■ 49, 0.440, 98.877

■ 50, 4.925, 280.212

■ 51, 10.231,
281.215

Harmonies

Complementary

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



42, 37.734, 90.880



24, 42.249, 292.374

Rectangle

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



42, 37.734, 90.880



42, 37.734, 140.880



42, 37.734, 270.880



42, 37.734, 320.880

Sweetspot

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



42, 37.734, 90.883



60, 14.158, 96.817



27, 38.165, 12.381



31, 9.665, 96.570



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



42, 37.734, 90.883



53, 53.243, 88.736



46, 45.748, 116.973



24, 3.076, 98.212



42, 49.387, 86.854



82, 83.336, 85.816

Inverse Universe

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



24, 42.249, 292.374



26, 64.294, 297.121



21, 54.217, 306.402



23, 3.106, 280.280



16, 64.370, 300.754



37, 114.678, 302.286

Previews

White Background



This preview shows how the CIELCh color 42, 37.734, 90.880 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 × Fail

Black Background



This preview shows how the CIELCh color 42, 37.734, 90.880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

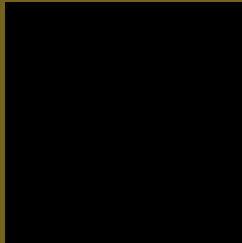
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 37.734, 90.880

Background



This preview shows how black text looks on a background with the CIELCh color 42, 37.734, 90.880.



This preview shows how white text looks on a background with the CIELCh color 42, 37.734, 90.880.

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


42, 37.734, 90.880

Protanopia

42, 37.504, 95.439

Deuteranopia

42, 37.704, 81.370



Tritanopia
42, 13.640, 0.807

Trichromacy



Original Color
42, 37.734, 90.880

Protanomaly
42, 37.700, 93.953

Deuteranomaly
42, 37.283, 84.399

Tritanomaly
42, 16.390, 61.367

Monochromacy



Original Color
42, 37.734, 90.880

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 14.694, 97.220

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 37.734, 90.880 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(116, 98, 34)` looks like.

```
.text, #text, p{  
    color:rgb(116, 98, 34)  
}
```

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(116, 98, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 98, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 37.734, 90.880 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(116, 98, 34) }
```

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

```
.border{ border-color:rgb(116, 98, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 98, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 98, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 98, 34);  
box-shadow:4px 4px 4px 4px rgb(116, 98,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 37.734, 90.880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 98, 34) }
```

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

```
.background{ background-color: rgb(116, 98,  
34) }
```

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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