

Converting Colors

CIELCh(42, 37.706, 96.871)

Have a look what the booklet for
CIELCh(42, 37.706, 96.871) contains.

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Color

CIELCh(42, 37.792, 97.011)

Conversions

Conversions Part 1

Format	Color
Hex	6E6422
RGB	110, 100, 34
RGB Percent	43%, 39%, 13%
CMY	0.5693, 0.6085, 0.8673
CMYK	0.00, 0.09, 0.69, 0.57
HSL	52°, 53%, 28%
HSV	52°, 69%, 43%
XYZ	11.2353, 12.5000, 3.3213
YIQ	95.4660, 27.1460, -18.4060

Conversions

Conversions Part 2

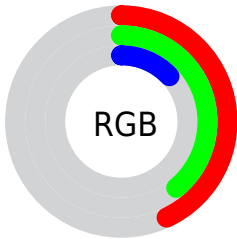
Format	Color
R_{YB}	46, 110, 34
Decimal	7234594
CIE _{Lab}	42.00, -4.61, 37.51
CIE _{LCh}	42, 37.792, 97.011
Yxy	12.5000, 0.4153, 0.4620
Android (android.graphics.Color)	4285424674 (0xFF6E6422)
YUV	95.4660, -30.3027, 12.7463
Hunter-Lab	35.3553, -5.1478, 19.1789

Details

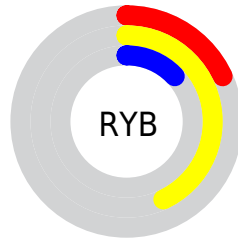
The CIELCh color **42, 37.792, 97.011** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **21, 44.185, 296.006**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 38.115, 97.185**, and **22, 31.157, 97.232** is the 20% darker color. If you saturate the color by 10%, you get **41, 41.948, 96.017**, and if you desaturate by 10%, it is **43, 32.960, 98.042**.

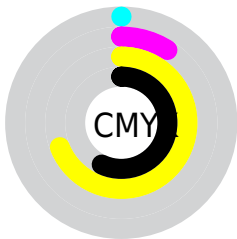
Distribution



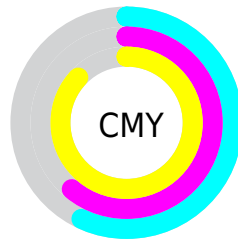
- Red (43%)
- Green (39%)
- Blue (13%)



- Red (18%)
- Yellow (43%)
- Blue (13%)



- Cyan (0%)
- Magenta (9%)
- Yellow (69%)
- Black (57%)



- Cyan (57%)
- Magenta (61%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 37.792, 97.011 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, 37.792, 97.011 by changing the saturation by 10% instead.

■ 42, 37.792, 97.011 ■ 42, 37.792, 97.011

■ 100, 37.792, 97.011 ■ 32, 37.792, 97.011

■ 62, 37.792, 97.011 ■ 22, 37.792, 97.011

■ 72, 37.792, 97.011 ■ 12, 37.792, 97.011

■ 82, 37.792, 97.011 ■ 2, 37.792, 97.011

■ 92, 37.792, 97.011 ■ 0, 37.792, 97.011

■ 42, 37.792, 97.011 ■ 42, 37.792, 97.011

■ 41, 41.948, 96.017 ■ 43, 32.960, 98.042

■ 41, 45.099, 95.052 ■ 43, 27.708, 99.092

■ 41, 47.575, 94.122

■ 44, 22.214,
100.154

■ 41, 47.794, 94.049

■ 44, 16.592,
101.215

■ 45, 10.912,
102.265

■ 46, 5.218, 103.291

■ 46, 0.466, 284.481

■ 47, 6.122, 285.301

■ 48, 11.744,
286.234

Harmonies

Complementary

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



42, 37.792, 97.011



21, 44.185, 296.006

Rectangle

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



42, 37.792, 97.011



42, 37.792, 147.011



42, 37.792, 277.011



42, 37.792, 327.011

Sweetspot

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



42, 37.792, 97.014



57, 14.813, 102.018



26, 36.468, 19.503



29, 9.956, 101.808



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



42, 37.792, 97.014



53, 53.139, 95.431



43, 44.035, 121.272



23, 3.250, 103.308



44, 50.830, 93.955



86, 86.438, 93.385

Inverse Universe

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



21, 44.185, 296.006



23, 67.053, 300.094



21, 50.539, 308.690



21, 3.298, 285.206



14, 69.471, 303.533



34, 123.352, 304.659

Previews

White Background



This preview shows how the CIELCh color 42, 37.792, 97.011 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, 37.792, 97.011 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, 37.792, 97.011

Background



This preview shows how black text looks on a background with the CIELCh color 42, 37.792, 97.011.



This preview shows how white text looks on a background with the CIELCh color 42, 37.792, 97.011.

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, 37.792, 97.011

Protanopia

42, 37.504, 95.439

Deuteranopia

42, 37.242, 81.167



Tritanopia
42, 10.448, 353.461

Trichromacy



Original Color
42, 37.792, 97.011

Protanomaly
42, 37.504, 95.439

Deuteranomaly
42, 37.159, 86.770

Tritanomaly
42, 13.710, 71.663

Monochromacy



Original Color
42, 37.792, 97.011

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 14.497, 102.558

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 37.792, 97.011 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(110, 100, 34)` looks like.

```
.text, #text, p{  
    color:rgb(110, 100, 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(110, 100, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 100, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 37.792, 97.011 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(110, 100, 34) }
```

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

```
.border{ border-color:rgb(110, 100, 34) }
```

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

Here you see how a box with a 4 pixel rgb(110, 100, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 100, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 100, 34);  
box-shadow:4px 4px 4px 4px rgb(110, 100,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 37.792, 97.011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 100, 34) }
```

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

```
.background{ background-color: rgb(110,  
100, 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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