

Converting Colors

CIELCh(42, 37.593, 68.412)

Have a look what the booklet for
CIELCh(42, 37.593, 68.412) contains.

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Color

CIELCh(42, 37.483, 67.856)

Conversions

Conversions Part 1

Format	Color
Hex	875929
RGB	135, 89, 41
RGB Percent	53%, 35%, 16%
CMY	0.4698, 0.6503, 0.8386
CMYK	0.00, 0.34, 0.70, 0.47
HSL	31°, 53%, 35%
HSV	31°, 70%, 53%
XYZ	14.0112, 12.5000, 3.7866
YIQ	97.2820, 42.8240, -5.1760

Conversions

Conversions Part 2

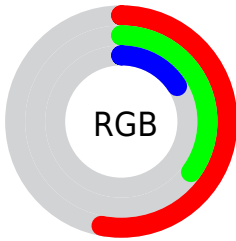
Format	Color
R_{YB}	131, 135, 41
Decimal	8870185
CIE Lab	42.00, 14.13, 34.72
CIE LCh	42, 37.483, 67.856
Yxy	12.5000, 0.4624, 0.4126
Android (android.graphics.Color)	4287060265 (0xFF875929)
YUV	97.2820, -27.7470, 33.0787
Hunter-Lab	35.3553, 8.8671, 18.3988

Details

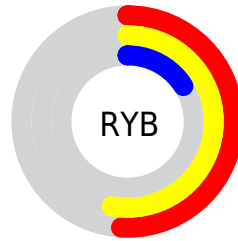
The CIELCh color **42, 37.483, 67.856** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **36, 31.423, 271.652**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 37.554, 68.216**, and **22, 34.444, 65.337** is the 20% darker color. If you saturate the color by 10%, you get **40, 43.129, 66.369**, and if you desaturate by 10%, it is **44, 31.633, 69.201**.

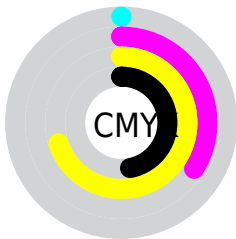
Distribution



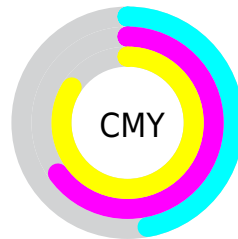
- Red (53%)
- Green (35%)
- Blue (16%)



- Red (51%)
- Yellow (53%)
- Blue (16%)



- Cyan (0%)
- Magenta (34%)
- Yellow (70%)
- Black (47%)



- Cyan (47%)
- Magenta (65%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 37.483, 67.856 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, 37.483, 67.856 by changing the saturation by 10% instead.

■ 42, 37.483, 67.856 ■ 42, 37.483, 67.856

■ 100, 37.483, 67.856 ■ 32, 37.483, 67.856

■ 62, 37.483, 67.856 ■ 22, 37.483, 67.856

■ 72, 37.483, 67.856 ■ 12, 37.483, 67.856

■ 82, 37.483, 67.856 ■ 2, 37.483, 67.856

■ 92, 37.483, 67.856 ■ 0, 37.483, 67.856

■ 42, 37.483, 67.856 ■ 42, 37.483, 67.856

■ 40, 43.129, 66.369 ■ 44, 31.633, 69.201

■ 38, 48.117, 64.550 ■ 46, 25.827, 70.481

37, 52.504, 62.577

48, 20.184, 71.733

37, 52.726, 62.513

50, 14.754, 72.970

52, 9.549, 74.188

54, 4.564, 75.367

56, 0.215, 257.867

59, 4.805, 257.821

61, 9.225, 258.912

Harmonies

Complementary

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



42, 37.483, 67.856



36, 31.423, 271.652

Rectangle

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



42, 37.483, 67.856



42, 37.483, 117.856



42, 37.483, 247.856



42, 37.483, 297.856

Sweetspot

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



42, 37.482, 67.860



66, 12.771, 73.957



33, 44.712, 352.097



34, 8.758, 73.668



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



42, 37.482, 67.860



51, 55.672, 65.463



55, 49.638, 104.111



28, 2.734, 75.410



36, 51.977, 62.588



1, 1.250, 76.552

Inverse Universe

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



36, 31.423, 271.652



42, 46.173, 277.548



23, 61.291, 301.215



27, 2.683, 257.772



28, 44.157, 283.753



1, 1.250, 256.564

Previews

White Background



This preview shows how the CIELCh color 42, 37.483, 67.856 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, 37.483, 67.856 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, 37.483, 67.856

Background



This preview shows how black text looks on a background with the CIELCh color 42, 37.483, 67.856.



This preview shows how white text looks on a background with the CIELCh color 42, 37.483, 67.856.

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, 37.483, 67.856

Protanopia

42, 32.958, 95.894

Deuteranopia

42, 35.551, 81.283



Tritanopia
42, 24.049, 14.598

Trichromacy



Original Color
42, 37.483, 67.856

Protanomaly
42, 33.457, 84.637

Deuteranomaly
42, 36.187, 76.492

Tritanomaly
42, 25.816, 41.050

Monochromacy



Original Color
42, 37.483, 67.856

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 12.952, 71.817

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 37.483, 67.856 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(135, 89, 41)` looks like.

```
.text, #text, p{  
    color:rgb(135, 89, 41)  
}
```

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(135, 89, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 89, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 37.483, 67.856 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(135, 89, 41) }
```

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

```
.border{ border-color:rgb(135, 89, 41) }
```

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

Here you see how a box with a 4 pixel rgb(135, 89, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 89, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 89, 41);  
box-shadow:4px 4px 4px 4px rgb(135, 89,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 37.483, 67.856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 89, 41) }
```

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

```
.background{ background-color: rgb(135, 89,  
41) }
```

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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