

Converting Colors

CIELCh(42, 37.567, 127.819)

Have a look what the booklet for
CIELCh(42, 37.567, 127.819)
contains.

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Color

CIELCh(42, 37.471, 127.833)

Conversions

Conversions Part 1

Format	Color
Hex	4C6C30
RGB	76, 108, 48
RGB Percent	30%, 42%, 19%
CMY	0.7016, 0.5761, 0.8114
CMYK	0.30, 0.00, 0.56, 0.58
HSL	92°, 38%, 31%
HSV	92°, 56%, 42%
XYZ	8.8961, 12.5000, 4.7499
YIQ	91.5920, 0.1880, -25.4440

Conversions

Conversions Part 2

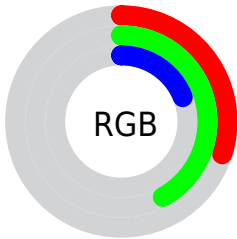
Format	Color
R_{YB}	48, 108, 80
Decimal	5008432
CIE Lab	42.00, -22.98, 29.59
CIE LCh	42, 37.471, 127.833
Yxy	12.5000, 0.3402, 0.4781
Android (android.graphics.Color)	4283198512 (0xFF4C6C30)
YUV	91.5920, -21.4909, -13.6742
Hunter-Lab	35.3553, -16.9575, 16.7832

Details

The CIELCh color **42, 37.471, 127.833** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **26, 40.231, 312.745**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 37.590, 127.785**, and **22, 37.567, 127.818** is the 20% darker color. If you saturate the color by 10%, you get **42, 43.446, 127.544**, and if you desaturate by 10%, it is **43, 31.069, 128.231**.

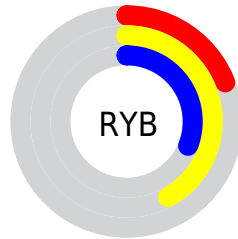
Distribution



 Red (30%)

 Green (42%)

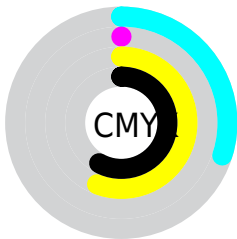
 Blue (19%)



 Red (19%)

 Yellow (42%)

 Blue (31%)

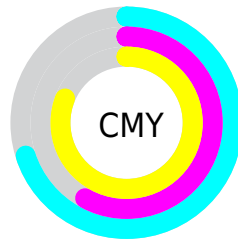


 Cyan (30%)


 Magenta (0%)

 Yellow (56%)

 Black (58%)



 Cyan (70%)


 Magenta (58%)


 Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 37.471, 127.833 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, 37.471, 127.833 by changing the saturation by 10% instead.


 42, 37.471,
127.833


 42, 37.471,
127.833


 100, 37.471,
127.833


 32, 37.471,
127.833

 62, 37.471,
127.833


 22, 37.471,
127.833

 72, 37.471,
127.833

 12, 37.471,
127.833

 82, 37.471,
127.833

 2, 37.471, 127.833

 92, 37.471,
127.833

 0, 37.471, 127.833

 42, 37.471,

 42, 37.471,

127.833

127.833

■ 42, 43.446,
127.544

■ 43, 31.069,
128.231

■ 41, 48.773,
127.445

■ 43, 24.400,
128.678

■ 41, 53.192,
127.642

■ 44, 17.580,
129.138

■ 40, 56.625,
128.146

■ 44, 10.689,
129.588

■ 40, 58.143,
128.303

■ 45, 3.787, 130.025

■ 46, 3.085, 310.370

■ 47, 9.896, 310.748

■ 48, 16.625,
311.077

■ 49, 23.256,

Harmonies

Complementary

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



42, 37.471, 127.833



26, 40.231, 312.745

Rectangle

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



42, 37.471, 127.833



42, 37.471, 177.833



42, 37.471, 307.833



42, 37.471, 357.833

Sweetspot

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



42, 37.472, 127.834



57, 14.508, 129.501



36, 24.348, 70.482



29, 9.781, 129.438



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, 37.472, 127.834



53, 54.598, 127.486



41, 42.441, 140.501



22, 3.837, 129.875



44, 61.713, 128.452



86, 107.208, 129.386

Inverse Universe

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



26, 40.231, 312.745



30, 59.666, 313.234



30, 42.143, 327.634



20, 3.883, 310.577



17, 69.532, 313.133



40, 120.332, 312.484

Previews

White Background



This preview shows how the CIELCh color 42, 37.471, 127.833 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, 37.471, 127.833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

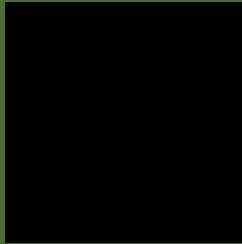
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 37.471, 127.833

Background



This preview shows how black text looks on a background with the CIELCh color 42, 37.471, 127.833.



This preview shows how white text looks on a background with the CIELCh color 42, 37.471, 127.833.

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](#).

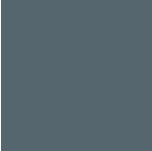
Dichromacy



Original Color
42, 37.471, 127.833

Protanopia
42, 31.952, 95.722

Deuteranopia
42, 28.592, 78.830



Tritanopia
42, 7.995, 236.157

Trichromacy



Original Color
42, 37.471, 127.833

Protanomaly
42, 32.449, 108.693

Deuteranomaly
41, 28.364, 100.035

Tritanomaly
42, 13.839, 150.089

Monochromacy



Original Color
42, 37.471, 127.833

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 14.317, 129.710

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 37.471, 127.833 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(76, 108, 48)` looks like.

```
.text, #text, p{  
    color:rgb(76, 108, 48)  
}
```

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(76, 108, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 108, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 37.471, 127.833 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(76, 108, 48) }
```

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

```
.border{ border-color:rgb(76, 108, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 108, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 108, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 108, 48);  
box-shadow:4px 4px 4px 4px rgb(76, 108,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 37.471, 127.833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 108, 48) }
```

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

```
.background{ background-color: rgb(76, 108,  
48) }
```

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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