

Converting Colors

CIELCh(42, 33.730, 129.834)

Have a look what the booklet for
CIELCh(42, 33.730, 129.834)
contains.

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Color

CIELCh(42, 33.853, 129.822)

Conversions

Conversions Part 1

Format	Color
Hex	4D6C37
RGB	77, 108, 55
RGB Percent	30%, 42%, 22%
CMY	0.6992, 0.5776, 0.7854
CMYK	0.29, 0.00, 0.49, 0.58
HSL	95°, 33%, 32%
HSV	95°, 49%, 42%
XYZ	9.0503, 12.5000, 5.5152
YIQ	92.6890, -1.4630, -23.0550

Conversions

Conversions Part 2

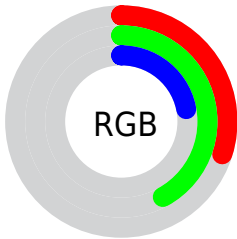
Format	Color
RYB	55, 108, 86
Decimal	5073975
CIELab	42.00, -21.68, 26.00
CIELCh	42, 33.853, 129.822
Yxy	12.5000, 0.3344, 0.4618
Android (android.graphics.Color)	4283264055 (0xFF4D6C37)
YUV	92.6890, -18.5807, -13.7593
Hunter-Lab	35.3553, -16.1793, 15.4999

Details

The CIELCh color **42, 33.853, 129.822** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **29, 35.704, 314.083**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 34.154, 130.169**, and **22, 33.536, 129.626** is the 20% darker color. If you saturate the color by 10%, you get **41, 40.204, 129.431**, and if you desaturate by 10%, it is **43, 27.181, 130.274**.

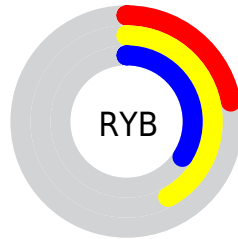
Distribution



Red (30%)

Green (42%)

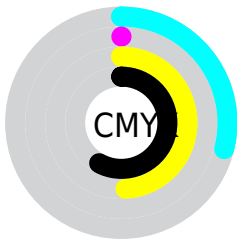
Blue (22%)



Red (22%)

Yellow (42%)

Blue (34%)

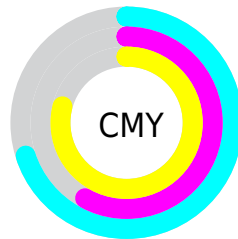


Cyan (29%)

Magenta (0%)

Yellow (49%)

Black (58%)



Cyan (70%)


Magenta (58%)


Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 33.853, 129.822 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, 33.853, 129.822 by changing the saturation by 10% instead.


 42, 33.853,
129.822


 42, 33.853,
129.822


 100, 33.853,
129.822


 32, 33.853,
129.822

 62, 33.853,
129.822


 22, 33.853,
129.822

 72, 33.853,
129.822

 12, 33.853,
129.822

 82, 33.853,
129.822

 2, 33.853, 129.822

 92, 33.853,
129.822

 0, 33.853, 129.822

 42, 33.853,

 42, 33.853,

129.822

129.822

■ 41, 40.204,
129.431

■ 43, 27.181,
130.274

■ 41, 46.047,
129.164

■ 43, 20.320,
130.740

■ 41, 51.145,
129.115

■ 44, 13.366,
131.197

■ 40, 55.228,
129.394

■ 45, 6.387, 131.633

■ 40, 58.607,
129.787

■ 46, 0.567, 311.851

■ 46, 7.461, 312.362

■ 40, 58.887,
129.803

■ 47, 14.269,
312.692

■ 48, 20.973,
312.983

■ 49, 27.560,

Harmonies

Complementary

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



42, 33.853, 129.822



29, 35.704, 314.083

Rectangle

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



42, 33.853, 129.822



42, 33.853, 179.822



42, 33.853, 309.822



42, 33.853, 359.822

Sweetspot

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



42, 33.854, 129.823



57, 12.969, 131.364



38, 21.915, 77.683



29, 8.919, 131.294



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, 33.854, 129.823



53, 49.650, 129.383



41, 36.243, 142.953



22, 3.887, 131.644



43, 62.674, 129.954



86, 108.904, 130.849

Inverse Universe

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



29, 35.704, 314.083



34, 53.022, 314.512



31, 36.088, 329.420



20, 3.928, 312.324



18, 68.804, 314.443



42, 118.983, 313.810

Previews

White Background



This preview shows how the CIELCh color 42, 33.853, 129.822 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 CIE LCh color 42, 33.853, 129.822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

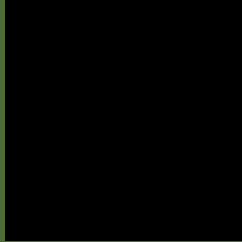
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 33.853, 129.822

Background



This preview shows how black text looks on a background with the CIELCh color 42, 33.853, 129.822.



This preview shows how white text looks on a background with the CIELCh color 42, 33.853, 129.822.

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

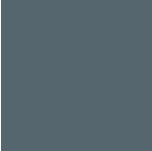
42, 33.853, 129.822

Protanopia

42, 28.112, 96.101

Deuteranopia

42, 25.221, 77.019



Tritanopia
42, 7.995, 236.157

Trichromacy



Original Color
42, 33.853, 129.822

Protanomaly
42, 28.746, 110.579

Deuteranomaly
41, 24.975, 100.932

Tritanomaly
42, 12.492, 155.418

Monochromacy



Original Color
42, 33.853, 129.822

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 13.205, 131.653

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 33.853, 129.822 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(77, 108, 55)` looks like.

```
.text, #text, p{  
    color:rgb(77, 108, 55)  
}
```

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(77, 108, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 108, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 33.853, 129.822 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(77, 108, 55) }
```

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

```
.border{ border-color:rgb(77, 108, 55) }
```

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

Here you see how a box with a 4 pixel rgb(77, 108, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 108, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 108, 55);  
box-shadow:4px 4px 4px 4px rgb(77, 108,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 33.853, 129.822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 108, 55) }
```

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

```
.background{ background-color: rgb(77, 108,  
55) }
```

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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