

Converting Colors

CIELCh(42, 40.865, 129.398)

Have a look what the booklet for
CIELCh(42, 40.865, 129.398)
contains.

CIELCh(42, 40.866, 129.398)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 40.866, 129.398)

Conversions

Conversions Part 1

Format	Color
Hex	476D2C
RGB	71, 109, 44
RGB Percent	28%, 43%, 17%
CMY	0.7209, 0.5719, 0.8269
CMYK	0.35, 0.00, 0.60, 0.57
HSL	95°, 42%, 30%
HSV	95°, 60%, 43%
XYZ	8.5533, 12.5000, 4.3594
YIQ	90.2280, -1.7830, -28.2710

Conversions

Conversions Part 2

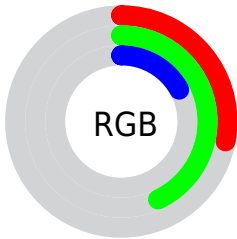
Format	Color
R_{YB}	44, 109, 82
Decimal	4681004
CIE _{Lab}	42.00, -25.94, 31.58
CIE _{LCh}	42, 40.866, 129.398
Yxy	12.5000, 0.3366, 0.4919
Android (android.graphics.Color)	4282871084 (0xFF476D2C)
YUV	90.2280, -22.7904, -16.8630
Hunter-Lab	35.3553, -18.6884, 17.4381

Details

The CIELCh color **42, 40.866, 129.398** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **26, 43.603, 314.464**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 40.944, 129.364**, and **22, 39.248, 130.807** is the 20% darker color. If you saturate the color by 10%, you get **42, 46.745, 129.140**, and if you desaturate by 10%, it is **43, 34.465, 129.787**.

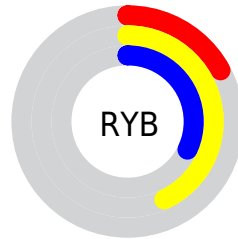
Distribution



Red (28%)

Green (43%)

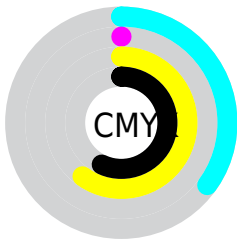
Blue (17%)



Red (17%)

Yellow (43%)

Blue (32%)

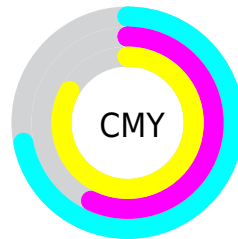


Cyan (35%)

Magenta (0%)

Yellow (60%)

Black (57%)



Cyan (72%)


Magenta (57%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 40.866, 129.398 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, 40.866, 129.398 by changing the saturation by 10% instead.

 42, 40.866,
129.398


 42, 40.866,
129.398


 100, 40.866,
129.398


 32, 40.866,
129.398

 62, 40.866,
129.398


 22, 40.866,
129.398

 72, 40.866,
129.398

 12, 40.866,
129.398

 82, 40.866,
129.398

 2, 40.866, 129.398

 92, 40.866,
129.398

 0, 40.866, 129.398

 42, 40.866,

 42, 40.866,

129.398

129.398

■ 42, 46.745,
129.140

■ 43, 34.465,
129.787

■ 41, 51.855,
129.105

■ 43, 27.731,
130.237

■ 41, 55.926,
129.403

■ 44, 20.800,
130.704

■ 40, 59.305,
129.804

■ 45, 13.771,
131.162

■ 40, 59.459,
129.813

■ 45, 6.715, 131.600

■ 46, 0.317, 311.689

■ 47, 7.290, 312.333

■ 48, 14.176,
312.665

■ 49, 20.958,

Harmonies

Complementary

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



42, 40.866, 129.398



26, 43.603, 314.464

Rectangle

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



42, 40.866, 129.398



42, 40.866, 179.398



42, 40.866, 309.398



42, 40.866, 359.398

Sweetspot

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



42, 40.867, 129.399



58, 15.798, 131.209



37, 27.150, 76.263



29, 10.904, 131.108



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, 40.867, 129.399



54, 58.933, 129.097



41, 43.603, 141.780



22, 3.886, 131.626



43, 62.665, 129.940



86, 108.888, 130.836

Inverse Universe

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



26, 43.603, 314.464



30, 63.698, 314.804



30, 43.122, 329.946



20, 3.927, 312.307



18, 68.811, 314.430



42, 118.996, 313.797

Previews

White Background



This preview shows how the CIELCh color 42, 40.866, 129.398 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, 40.866, 129.398 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, 40.866, 129.398

Background



This preview shows how black text looks on a background with the CIELCh color 42, 40.866, 129.398.



This preview shows how white text looks on a background with the CIELCh color 42, 40.866, 129.398.

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, 40.866, 129.398

Protanopia

42, 34.008, 95.942

Deuteranopia

42, 30.890, 79.458



Tritanopia
42, 9.459, 233.961

Trichromacy



Original Color
42, 40.866, 129.398

Protanomaly
42, 35.097, 110.448

Deuteranomaly
42, 30.942, 101.912

Tritanomaly
42, 15.942, 154.655

Monochromacy



Original Color
42, 40.866, 129.398

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 15.803, 130.901

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 40.866, 129.398 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(71, 109, 44)` looks like.

```
.text, #text, p{  
    color:rgb(71, 109, 44)  
}
```

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(71, 109, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 109, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 40.866, 129.398 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(71, 109, 44) }
```

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

```
.border{ border-color:rgb(71, 109, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 109, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 109, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 109, 44);  
box-shadow:4px 4px 4px 4px rgb(71, 109,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 40.866, 129.398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 109, 44) }
```

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

```
.background{ background-color: rgb(71, 109,  
44) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor