

Converting Colors

CIELCh(50, 42.407, 140.578)

Have a look what the booklet for
CIELCh(50, 42.407, 140.578)
contains.

CIELCh(50, 42.440, 140.599)	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(50, 42.440, 140.599)

Conversions

Conversions Part 1

Format	Color
Hex	488447
RGB	72, 132, 71
RGB Percent	28%, 52%, 28%
CMY	0.7166, 0.4813, 0.7206
CMYK	0.45, 0.00, 0.46, 0.48
HSL	119°, 30%, 40%
HSV	119°, 46%, 52%
XYZ	12.1232, 18.4187, 8.9176
YIQ	107.1060, -16.1790, -31.6910

Conversions

Conversions Part 2

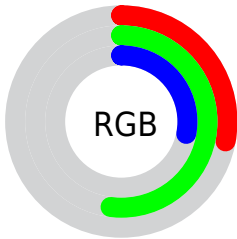
Format	Color
R_{YB}	71, 132, 131
Decimal	4752455
CIE _{Lab}	50.00, -32.79, 26.94
CIE _{LCh}	50, 42.440, 140.599
Yxy	18.4187, 0.3072, 0.4668
Android (android.graphics.Color)	4282942535 (0xFF488447)
YUV	107.1060, -17.8003, -30.7880
Hunter-Lab	42.9170, -24.6818, 17.7222

Details

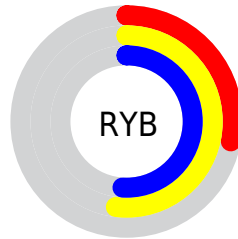
The CIELCh color **50, 42.440, 140.599** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **40, 42.359, 326.294**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 42.919, 140.471**, and **30, 42.533, 140.508** is the 20% darker color. If you saturate the color by 10%, you get **49, 50.770, 139.585**, and if you desaturate by 10%, it is **51, 33.554, 141.528**.

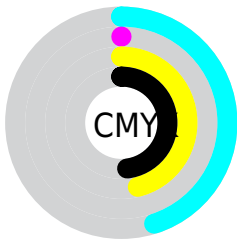
Distribution



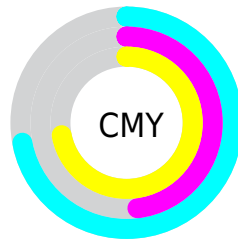
- Red (28%)
- Green (52%)
- Blue (28%)



- Red (28%)
- Yellow (52%)
- Blue (51%)



- Cyan (45%)
- Magenta (0%)
- Yellow (46%)
- Black (48%)





- Cyan (72%)
- Magenta (48%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 42.440, 140.599 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 50, 42.440, 140.599 by changing the saturation by 10% instead.


 50, 42.440,
140.599


 50, 42.440,
140.599


 100, 42.440,
140.599


 40, 42.440,
140.599


 70, 42.440,
140.599

 30, 42.440,
140.599


 80, 42.440,
140.599


 20, 42.440,
140.599

 90, 42.440,
140.599

 10, 42.440,
140.599

 0, 42.440, 140.599

 50, 42.440,
140.599

 50, 42.440,
140.599

■ 49, 50.770,
139.585

■ 51, 33.554,
141.528

■ 49, 58.254,
138.535

■ 52, 24.347,
142.351

■ 48, 64.553,
137.537

■ 53, 15.005,
143.069

■ 48, 69.316,
136.715

■ 54, 5.672, 143.701

■ 48, 72.400,
136.142

■ 56, 3.550, 324.137

■ 48, 73.467,
135.913

■ 57, 12.586,
324.619

■ 59, 21.391,
325.002

■ 61, 29.935,
325.326

■ 63, 38.207,
325.601

Harmonies

Complementary

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



50, 42.440, 140.599



40, 42.359, 326.294

Rectangle

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



50, 42.440, 140.599



50, 42.440, 190.599



50, 42.440, 320.599



50, 42.440, 10.599

Sweetspot

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



50, 42.441, 140.599



68, 16.034, 143.190



53, 33.094, 104.413



35, 11.165, 143.066



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



50, 42.441, 140.599



63, 61.304, 139.577



50, 30.057, 157.452



27, 5.235, 143.517



47, 72.575, 135.911



1, 1.249, 144.000

Inverse Universe

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



40, 42.359, 326.294



48, 60.953, 326.709



39, 31.332, 346.264



26, 5.245, 324.448



30, 70.173, 327.593



0, 1.249, 323.996

Previews

White Background



This preview shows how the CIE LCh color 50, 42.440, 140.599 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 50, 42.440, 140.599 looks on a black 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

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

CIELCh 50, 42.440, 140.599

Background



This preview shows how black text looks on a background with the CIELCh color 50, 42.440, 140.599.



This preview shows how white text looks on a background with the CIELCh color 50, 42.440, 140.599.

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

50, 42.440, 140.599

Protanopia

50, 30.317, 95.578

Deuteranopia

50, 25.887, 74.873



Tritanopia
50, 14.946, 221.335

Trichromacy



Original Color
50, 42.440, 140.599

Protanomaly
49, 31.875, 117.442

Deuteranomaly
49, 26.428, 109.586

Tritanomaly
50, 20.494, 170.027

Monochromacy



Original Color
50, 42.440, 140.599

Achromatopsia
45, 0.006, 296.813

Achromatomaly
47, 15.937, 143.310

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 42.440, 140.599 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(72, 132, 71)` looks like.

```
.text, #text, p{  
    color:rgb(72, 132, 71)  
}
```

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(72, 132, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 132, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 42.440, 140.599 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(72, 132, 71) }
```

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

```
.border{ border-color:rgb(72, 132, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 132, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 132, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 132, 71);  
box-shadow:4px 4px 4px 4px rgb(72, 132,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 42.440, 140.599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 132, 71) }
```

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

```
.background{ background-color: rgb(72, 132,  
71) }
```

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