

Converting Colors

CIELCh(42, 58.861, 117.981)

Have a look what the booklet for
CIELCh(42, 58.861, 117.981)
contains.

CIELCh(42, 54.472, 119.322)	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, 54.472, 119.322)

Conversions

Conversions Part 1

Format	Color
Hex	4C6D00
RGB	76, 109, 0
RGB Percent	30%, 43%, 0%
CMY	0.7015, 0.5721, 0.9994
CMYK	0.30, 0.00, 1.00, 0.57
HSL	78°, 100%, 21%
HSV	78°, 100%, 43%
XYZ	8.4691, 12.5000, 1.9702
YIQ	86.7070, 15.3210, -40.8950

Conversions

Conversions Part 2

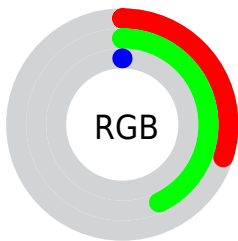
Format	Color
RYB	0, 109, 33
Decimal	5008640
CIELab	42.00, -26.68, 47.49
CIELCh	42, 54.472, 119.322
Yxy	12.5000, 0.3692, 0.5449
Android (android.graphics.Color)	4283198720 (0xFF4C6D00)
YUV	86.7070, -42.7466, -9.3900
Hunter-Lab	35.3553, -19.1137, 21.4447

Details

The CIELCh color **42, 54.472, 119.322** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **12, 68.979, 308.805**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 54.556, 119.277**, and **22, 38.896, 129.937** is the 20% darker color. If you saturate the color by 10%, you get **42, 54.511, 119.328**, and if you desaturate by 10%, it is **42, 51.567, 118.871**.

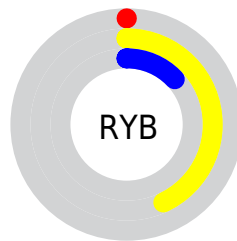
Distribution



Red (30%)

Green (43%)

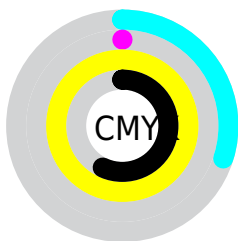
Blue (0%)



Red (0%)

Yellow (43%)

Blue (13%)

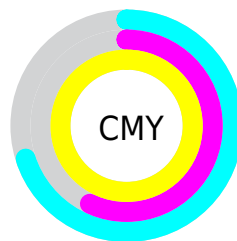


Cyan (30%)

Magenta (0%)

Yellow (100%)

Black (57%)



Cyan (70%)


Magenta (57%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 54.472, 119.322 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, 54.472, 119.322 by changing the saturation by 10% instead.


 42, 54.472,
119.322

 42, 54.472,
119.322


 100, 54.472,
119.322

 32, 54.472,
119.322

 62, 54.472,
119.322

 22, 54.472,
119.322

 72, 54.472,
119.322

 12, 54.472,
119.322

 82, 54.472,
119.322

 2, 54.472, 119.322

 92, 54.472,
119.322

 0, 54.472, 119.322

 42, 54.472,

 42, 54.472,

119.322

119.322

■ 42, 54.511,
119.328

■ 42, 51.567,
118.871

■ 43, 48.055,
118.563

■ 43, 43.502,
118.585

■ 43, 38.174,
118.839

■ 44, 32.315,
119.245

■ 44, 26.110,
119.739

■ 44, 19.690,
120.278

■ 45, 13.145,
120.833

Harmonies

Complementary

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



42, 54.472, 119.322



12, 68.979, 308.805

Rectangle

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



42, 54.472, 119.322



42, 54.472, 169.322



42, 54.472, 299.322



42, 54.472, 349.322

Sweetspot

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



42, 54.472, 119.324



57, 24.648, 120.226



25, 48.372, 47.776



29, 16.670, 120.055



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, 54.472, 119.324



54, 66.308, 119.718



40, 62.494, 134.172



22, 3.665, 121.437



45, 57.435, 119.442



89, 99.349, 120.271

Inverse Universe

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



12, 68.979, 308.805



18, 84.077, 308.554



21, 62.895, 321.035



20, 3.728, 302.399



14, 72.779, 308.738



34, 126.104, 308.206

Previews

White Background



This preview shows how the CIELCh color 42, 54.472, 119.322 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, 54.472, 119.322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

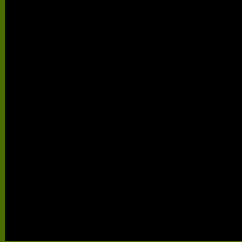
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 54.472, 119.322

Background



This preview shows how black text looks on a background with the CIELCh color 42, 54.472, 119.322.



This preview shows how white text looks on a background with the CIELCh color 42, 54.472, 119.322.

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, 54.472, 119.322

Protanopia

42, 48.897, 95.162

Deuteranopia

42, 43.718, 82.835



Tritanopia
42, 7.160, 241.607

Trichromacy



Original Color
42, 54.472, 119.322

Protanomaly
42, 49.848, 105.126

Deuteranomaly
41, 45.245, 98.262

Tritanomaly
41, 22.832, 131.035

Monochromacy



Original Color
42, 54.472, 119.322

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 24.554, 119.543

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 54.472, 119.322 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, 109, 0)` looks like.

```
.text, #text, p{  
    color:rgb(76, 109, 0)  
}
```

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, 109, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 109, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 54.472, 119.322 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, 109, 0) }
```

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

```
.border{ border-color:rgb(76, 109, 0) }
```

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

Here you see how a box with a 4 pixel rgb(76, 109, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 109, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 109, 0);  
box-shadow:4px 4px 4px 4px rgb(76, 109, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 54.472, 119.322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 109, 0) }
```

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

```
.background{ background-color: rgb(76, 109,  
0) }
```

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