

Converting Colors

CIELCh(63, 45.015, 119.722)

Have a look what the booklet for
CIELCh(63, 45.015, 119.722)
contains.

CIELCh(63, 45.300, 119.717)	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(63, 45.300, 119.717)

Conversions

Conversions Part 1

Format	Color
Hex	88A250
RGB	136, 162, 80
RGB Percent	53%, 64%, 31%
CMY	0.4673, 0.3653, 0.6868
CMYK	0.16, 0.00, 0.51, 0.37
HSL	79°, 34%, 47%
HSV	79°, 51%, 63%
XYZ	24.4659, 31.5869, 12.3699
YIQ	144.8780, 10.8260, -31.0140

Conversions

Conversions Part 2

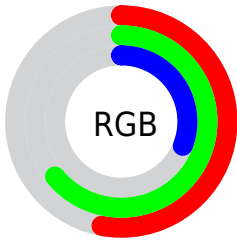
Format	Color
RYB	80, 162, 106
Decimal	8954448
CIELab	63.00, -22.46, 39.34
CIElCh	63, 45.300, 119.717
Yxy	31.5869, 0.3576, 0.4616
Android (android.graphics.Color)	4287144528 (0xFF88A250)
YUV	144.8780, -31.9849, -7.7860
Hunter-Lab	56.2022, -20.6496, 26.2921

Details

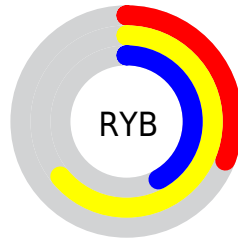
The CIELCh color **63, 45.300, 119.717** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **40, 50.417, 306.076**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 45.424, 119.607**, and **43, 45.017, 119.685** is the 20% darker color. If you saturate the color by 10%, you get **62, 53.241, 119.347**, and if you desaturate by 10%, it is **64, 36.802, 120.203**.

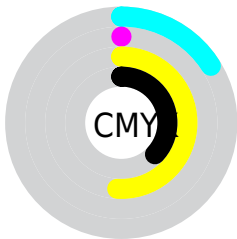
Distribution



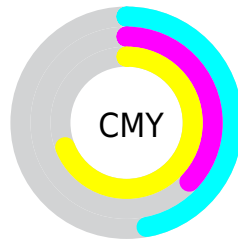
- Red (53%)
- Green (64%)
- Blue (31%)



- Red (31%)
- Yellow (64%)
- Blue (42%)



- Cyan (16%)
- Magenta (0%)
- Yellow (51%)
- Black (37%)





- Cyan (47%)
- Magenta (37%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 45.300, 119.717 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 63, 45.300, 119.717 by changing the saturation by 10% instead.


 63, 45.300,
119.717


 63, 45.300,
119.717


 100, 45.300,
119.717


 53, 45.300,
119.717


 83, 45.300,
119.717

 43, 45.300,
119.717

 93, 45.300,
119.717

 33, 45.300,
119.717

 23, 45.300,
119.717

 13, 45.300,
119.717

 3, 45.300, 119.717

 0, 45.300, 119.717

■ 63, 45.300,
119.717

■ 63, 45.300,
119.717

■ 62, 53.241,
119.347

■ 64, 36.802,
120.203

■ 62, 60.320,
119.165

■ 64, 27.959,
120.744

■ 62, 66.155,
119.274

■ 65, 18.916,
121.308

■ 61, 70.373,
119.780

■ 66, 9.772, 121.871

■ 61, 73.066,
120.550

■ 67, 0.595, 122.488

■ 67, 8.568, 302.923

■ 68, 17.683,
303.413

■ 69, 26.725,
303.869

■ 70, 35.676,
304.291

Harmonies

Complementary

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



63, 45.300, 119.717



40, 50.417, 306.076

Rectangle

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



63, 45.300, 119.717



63, 45.300, 169.717



63, 45.300, 299.717



63, 45.300, 349.717

Sweetspot

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



63, 45.301, 119.719



83, 17.106, 121.611



50, 30.678, 50.696



44, 11.760, 121.498



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



63, 45.301, 119.719



80, 66.374, 119.305



61, 51.950, 136.335



34, 5.222, 121.948



55, 67.469, 120.416



5, 8.231, 124.571

Inverse Universe

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



40, 50.417, 306.076



46, 76.217, 307.068



45, 52.827, 321.431



32, 5.316, 302.963



19, 84.971, 308.737



1, 8.121, 301.321

Previews

White Background



This preview shows how the CIELCh color 63, 45.300, 119.717 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 63, 45.300, 119.717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

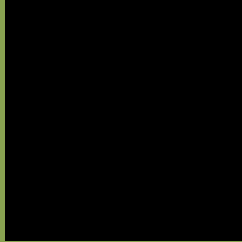
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 45.300, 119.717

Background



This preview shows how black text looks on a background with the CIELCh color 63, 45.300, 119.717.



This preview shows how white text looks on a background with the CIELCh color 63, 45.300, 119.717.

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](#).

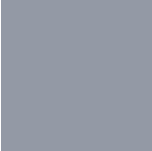
Dichromacy



Original Color
63, 45.300, 119.717

Protanopia
63, 41.334, 95.608

Deuteranopia
63, 38.856, 77.886



Tritanopia
63, 7.022, 272.567

Trichromacy



Original Color
63, 45.300, 119.717

Protanomaly
63, 41.988, 105.538

Deuteranomaly
63, 38.466, 94.546

Tritanomaly
63, 13.319, 131.595

Monochromacy



Original Color
63, 45.300, 119.717

Achromatopsia
60, 0.008, 296.813

Achromatomaly
61, 17.145, 120.686

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 45.300, 119.717 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(136, 162, 80)` looks like.

```
.text, #text, p{  
    color:rgb(136, 162, 80)  
}
```

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(136, 162, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 162, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 45.300, 119.717 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(136, 162, 80) }
```

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

```
.border{ border-color:rgb(136, 162, 80) }
```

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

Here you see how a box with a 4 pixel rgb(136, 162, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 162, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 162, 80);  
box-shadow:4px 4px 4px 4px rgb(136, 162,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 45.300, 119.717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 162, 80) }
```

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

```
.background{ background-color: rgb(136,  
162, 80) }
```

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