

Converting Colors

CIELCh(84, 45.497, 122.629)

Have a look what the booklet for
CIELCh(84, 45.497, 122.629)
contains.

CIELCh(84, 45.465, 122.637)	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(84, 45.465, 122.637)

Conversions

Conversions Part 1

Format	Color
Hex	BDDD88
RGB	189, 221, 136
RGB Percent	74%, 87%, 53%
CMY	0.2602, 0.1347, 0.4680
CMYK	0.15, 0.00, 0.39, 0.13
HSL	83°, 55%, 70%
HSV	83°, 39%, 87%
XYZ	51.0807, 64.0658, 32.8416
YIQ	201.7420, 8.2130, -33.2190

Conversions

Conversions Part 2

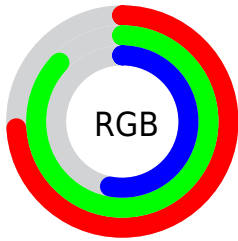
Format	Color
RYB	136, 221, 168
Decimal	12443016
CIELab	84.00, -24.52, 38.29
CIElCh	84, 45.465, 122.637
Yxy	64.0658, 0.3452, 0.4329
Android (android.graphics.Color)	4290633096 (0xFFBDDD88)
YUV	201.7420, -32.4108, -11.1747
Hunter-Lab	80.0411, -26.1567, 31.7016

Details

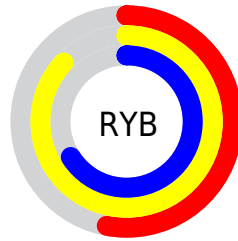
The CIELCh color **84, 45.465, 122.637** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **63, 48.845, 307.021**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 32.916, 113.645**, and **64, 45.428, 122.925** is the 20% darker color. If you saturate the color by 10%, you get **83, 56.640, 122.171**, and if you desaturate by 10%, it is **85, 33.880, 123.158**.

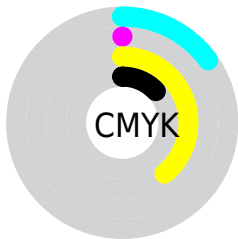
Distribution



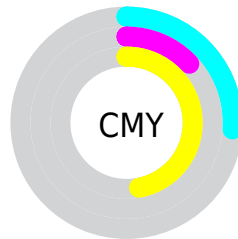
- Red (74%)
- Green (87%)
- Blue (53%)



- Red (53%)
- Yellow (87%)
- Blue (66%)



- Cyan (15%)
- Magenta (0%)
- Yellow (39%)
- Black (13%)




- Cyan (26%)
- Magenta (13%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 45.465, 122.637 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 84, 45.465, 122.637 by changing the saturation by 10% instead.


 84, 45.465,
122.637


 84, 45.465,
122.637


 100, 45.465,
122.637


 74, 45.465,
122.637

 64, 45.465,
122.637

 54, 45.465,
122.637

 44, 45.465,
122.637

 34, 45.465,
122.637

 24, 45.465,
122.637

 14, 45.465,

122.637

■ 4, 45.465, 122.637

■ 0, 45.465, 122.637

■ 84, 45.465,
122.637

■ 84, 45.465,
122.637

■ 83, 56.640,
122.171

■ 85, 33.880,
123.158

■ 82, 67.124,
121.813

■ 86, 22.065,
123.693

■ 82, 76.527,
121.648

■ 87, 10.149,
124.223

■ 81, 84.345,
121.788

■ 88, 1.782, 304.673

■ 81, 90.072,

■ 89, 13.665,
305.187

122.355

90, 18.972,
310.355

80, 93.582,
123.389

91, 20.080,
318.225

80, 94.027,
123.553

92, 21.503,
325.173

Harmonies

Complementary

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



84, 45.465, 122.637



63, 48.845, 307.021

Rectangle

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



84, 45.465, 122.637



84, 45.465, 172.637



84, 45.465, 302.637



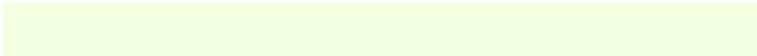
84, 45.465, 352.637

Sweetspot

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



84, 45.467, 122.639



98, 16.090, 124.035



73, 28.552, 56.489



52, 10.673, 123.965



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 45.467, 122.639



95, 60.565, 122.264



82, 52.206, 138.412



46, 6.734, 124.175



64, 78.392, 123.293



17, 28.203, 123.570

Inverse Universe

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



63, 48.845, 307.021



66, 66.221, 307.601



67, 52.711, 322.541



43, 6.849, 305.134



24, 95.832, 309.510



3, 30.489, 304.816

Previews

White Background



This preview shows how the CIELCh color 84, 45.465, 122.637 looks on a white background.

Color Contrast Check

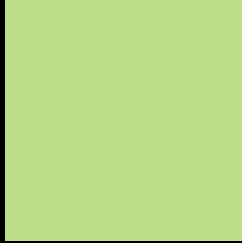
Large Text (above 18pt) WCAG AA × Fail

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 84, 45.465, 122.637 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 84, 45.465, 122.637

Background



This preview shows how black text looks on a background with the CIELCh color 84, 45.465, 122.637.



This preview shows how white text looks on a background with the CIELCh color 84, 45.465, 122.637.

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](#).

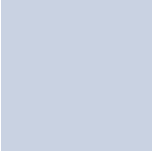
Dichromacy



Original Color
84, 45.465, 122.637

Protanopia
84, 41.208, 95.608

Deuteranopia
84, 38.110, 74.365



Tritanopia
84, 8.936, 270.451

Trichromacy



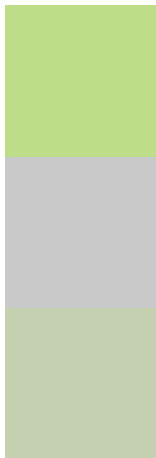
Original Color
84, 45.465, 122.637

Protanomaly
84, 41.265, 105.998

Deuteranomaly
84, 37.377, 94.255

Tritanomaly
84, 12.744, 138.654

Monochromacy



Original Color
84, 45.465, 122.637

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 16.869, 123.065

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 45.465, 122.637 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(189, 221, 136)` looks like.

```
.text, #text, p{  
    color:rgb(189, 221, 136)  
}
```

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(189, 221, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 221, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 45.465, 122.637 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(189, 221, 136) }
```

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

```
.border{ border-color:rgb(189, 221, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 221, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 221, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 221, 136);  
box-shadow:4px 4px 4px 4px rgb(189, 221,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 45.465, 122.637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 221, 136) }
```

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

```
.background{ background-color: rgb(189,  
221, 136) }
```

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