

Converting Colors

CIELCh(83, 41.687, 84.413)

Have a look what the booklet for
CIELCh(83, 41.687, 84.413) contains.

CIELCh(83, 42.004, 84.425)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(83, 42.004, 84.425)

Conversions

Conversions Part 1

Format	Color
Hex	F0CA80
RGB	240, 202, 128
RGB Percent	94%, 79%, 50%
CMY	0.0598, 0.2088, 0.4989
CMYK	0.00, 0.16, 0.47, 0.06
HSL	40°, 79%, 72%
HSV	40°, 47%, 94%
XYZ	60.7953, 62.1629, 29.1387
YIQ	204.9260, 46.4020, -14.9580

Conversions

Conversions Part 2

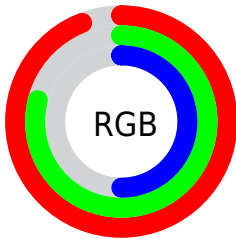
Format	Color
R _Y B	186, 240, 128
Decimal	15780480
CIE Lab	83.00, 4.08, 41.81
CIE LCh	83, 42.004, 84.425
Yxy	62.1629, 0.3997, 0.4087
Android (android.graphics.Color)	4293970560 (0xFFFF0CA80)
YUV	204.9260, -37.9245, 30.7599
Hunter-Lab	78.8435, -0.3368, 33.2782

Details

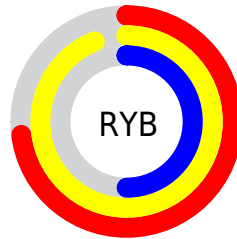
The CIELCh color **83, 42.004, 84.425** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **68, 41.612, 279.086**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 36.662, 107.383**, and **63, 42.022, 84.254** is the 20% darker color. If you saturate the color by 10%, you get **81, 51.184, 82.973**, and if you desaturate by 10%, it is **85, 32.761, 85.835**.

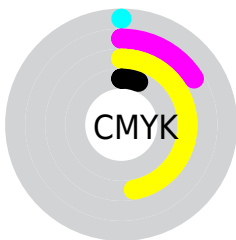
Distribution



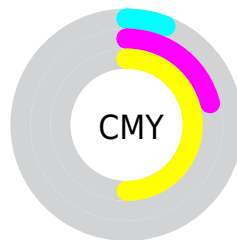
- Red (94%)
- Green (79%)
- Blue (50%)



- Red (73%)
- Yellow (94%)
- Blue (50%)



- Cyan (0%)
- Magenta (16%)
- Yellow (47%)
- Black (6%)



- Cyan (6%)
- Magenta (21%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 42.004, 84.425 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 83, 42.004, 84.425 by changing the saturation by 10% instead.

 83, 42.004, 84.425

 83, 42.004, 84.425

 100, 42.004,
84.425

 73, 42.004, 84.425

 63, 42.004, 84.425

 53, 42.004, 84.425

 43, 42.004, 84.425

 33, 42.004, 84.425

 23, 42.004, 84.425

 13, 42.004, 84.425

 3, 42.004, 84.425

 0, 42.004, 84.425

83, 42.004, 84.425

83, 42.004, 84.425

81, 51.184, 82.973

85, 32.761, 85.835

78, 60.007, 81.439

88, 23.603, 87.199

76, 67.954, 79.764

90, 14.603, 88.518

74, 74.211, 77.822

93, 5.789, 89.772

72, 77.877, 75.417

96, 2.831, 271.157

72, 78.736, 74.565

98, 4.324, 231.016

99, 5.249, 199.199

Harmonies

Complementary

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



83, 42.004, 84.425



68, 41.612, 279.086

Rectangle

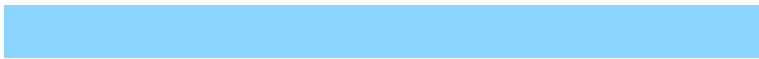
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 42.004, 84.425



83, 42.004, 134.425



83, 42.004, 264.425



83, 42.004, 314.425

Sweetspot

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



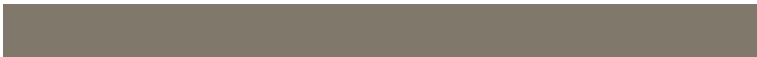
83, 42.005, 84.429



96, 12.827, 88.860



67, 47.198, 358.490



51, 8.878, 88.582



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 42.005, 84.429



85, 53.138, 83.050



91, 56.240, 112.611



49, 4.924, 89.435



56, 64.471, 75.106



16, 24.494, 77.890

Inverse Universe

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



68, 41.612, 279.086



67, 52.905, 281.667



60, 63.443, 300.956



47, 4.920, 271.939



32, 75.682, 296.254



7, 27.952, 289.646

Previews

White Background



This preview shows how the CIELCh color 83, 42.004, 84.425 looks on a white background.

Color Contrast Check

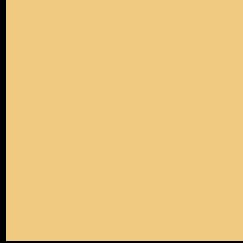
Large Text (above 18pt) WCAG AA × Fail

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 83, 42.004, 84.425 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 83, 42.004, 84.425

Background



This preview shows how black text looks on a background with the CIELCh color 83, 42.004, 84.425.



This preview shows how white text looks on a background with the CIELCh color 83, 42.004, 84.425.

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

83, 42.004, 84.425

Protanopia

83, 40.779, 95.487

Deuteranopia

83, 42.731, 76.113



Tritanopia
83, 21.918, 0.216

Trichromacy



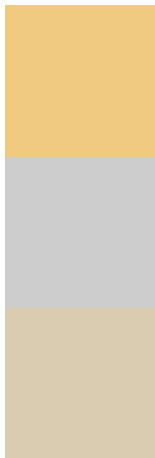
Original Color
83, 42.004, 84.425

Protanomaly
83, 41.083, 91.363

Deuteranomaly
83, 42.013, 78.834

Tritanomaly
83, 21.251, 46.895

Monochromacy



Original Color
83, 42.004, 84.425

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 15.223, 88.070

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 42.004, 84.425 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(240, 202, 128)` looks like.

```
.text, #text, p{  
    color:rgb(240, 202, 128)  
}
```

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(240, 202, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 202, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 42.004, 84.425 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(240, 202, 128) }
```

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

```
.border{ border-color:rgb(240, 202, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 202, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 202, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 202, 128);  
box-shadow:4px 4px 4px 4px rgb(240, 202,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 42.004, 84.425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 202, 128) }
```

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

```
.background{ background-color: rgb(240,  
202, 128) }
```

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