

Converting Colors

CIELCh(83, 42.423, 87.640)

Have a look what the booklet for
CIELCh(83, 42.423, 87.640) contains.

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Color

CIELCh(83, 42.586, 87.622)

Conversions

Conversions Part 1

Format	Color
Hex	ECCB7E
RGB	236, 203, 126
RGB Percent	93%, 80%, 49%
CMY	0.0738, 0.2033, 0.5053
CMYK	0.00, 0.14, 0.47, 0.07
HSL	42°, 75%, 71%
HSV	42°, 47%, 93%
XYZ	59.8210, 62.1629, 28.6370
YIQ	204.0890, 44.3850, -16.9510

Conversions

Conversions Part 2

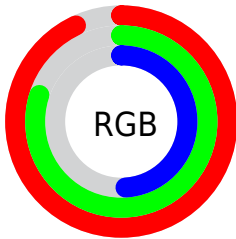
Format	Color
RYB	173, 236, 126
Decimal	15518590
CIELab	83.00, 1.77, 42.55
CIELCh	83, 42.586, 87.622
Yxy	62.1629, 0.3972, 0.4127
Android (android.graphics.Color)	4293708670 (0xFFECCB7E)
YUV	204.0890, -38.4979, 27.9859
Hunter-Lab	78.8435, -2.5425, 33.6555

Details

The CIELCh color $83, 42.586, 87.622$ is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be $66, 43.218, 281.894$, and the grayscale version is $82, 0.010, 296.813$.

A 20% lighter version of the original color is $98, 37.646, 107.307$, and $63, 42.560, 87.622$ is the 20% darker color. If you saturate the color by 10%, you get $81, 51.726, 86.208$, and if you desaturate by 10%, it is $85, 33.299, 89.000$.

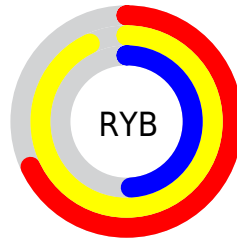
Distribution



Red (93%)

Green (80%)

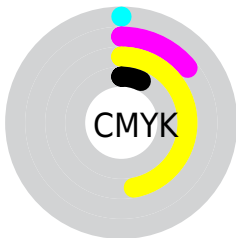
Blue (49%)



Red (68%)

Yellow (93%)

Blue (49%)

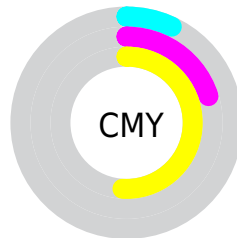


Cyan (0%)

Magenta (14%)

Yellow (47%)

Black (7%)



Cyan (7%)

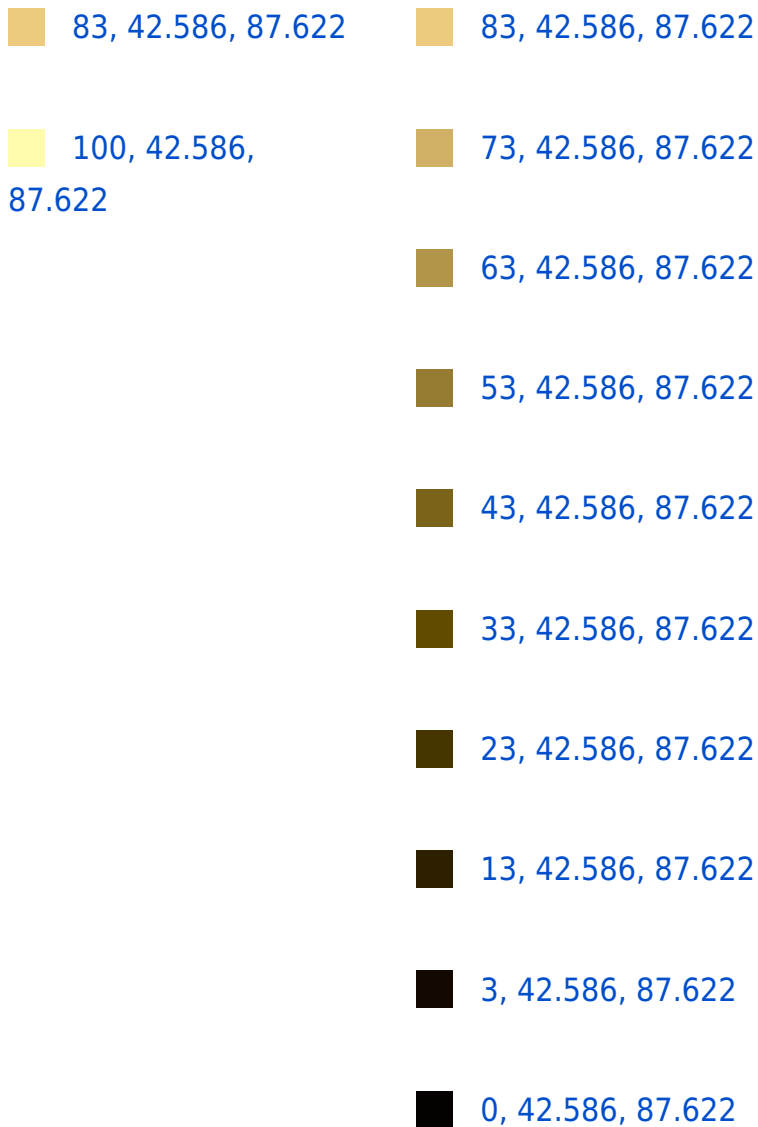
Magenta (20%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 42.586, 87.622 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, 42.586, 87.622 by changing the saturation by 10% instead.



83, 42.586, 87.622

83, 42.586, 87.622

81, 51.726, 86.208

85, 33.299, 89.000

79, 60.410, 84.726

87, 24.031, 90.334

77, 68.110, 83.130

90, 14.866, 91.625

75, 74.034, 81.320

92, 5.843, 92.856

73, 77.350, 79.141

94, 3.021, 274.189

73, 78.111, 78.344

96, 5.730, 255.906

98, 5.781, 210.556

99, 6.456, 199.099

Harmonies

Complementary

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



83, 42.586, 87.622



66, 43.218, 281.894

Rectangle

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



83, 42.586, 87.622



83, 42.586, 137.622



83, 42.586, 267.622



83, 42.586, 317.622

Sweetspot

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



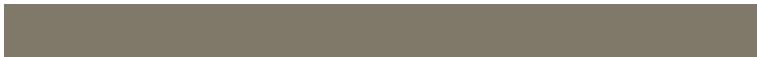
83, 42.587, 87.626



97, 13.325, 91.944



66, 45.833, 2.059



51, 9.217, 91.671



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, 42.587, 87.626



87, 54.483, 86.259



90, 55.763, 114.848



48, 5.031, 92.511



57, 64.060, 78.824



16, 23.833, 81.722

Inverse Universe

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



66, 43.218, 281.894



65, 55.929, 284.443



59, 62.559, 302.365



46, 5.047, 274.949



29, 79.481, 298.304



6, 27.961, 290.441

Previews

White Background



This preview shows how the CIELCh color 83, 42.586, 87.622 looks on a white background.

Color Contrast Check

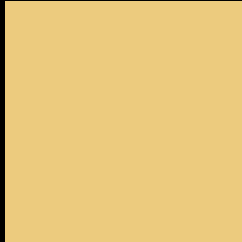
Large Text (above 18pt) WCAG AA × Fail

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, 42.586, 87.622 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, 42.586, 87.622

Background



This preview shows how black text looks on a background with the CIELCh color 83, 42.586, 87.622.



This preview shows how white text looks on a background with the CIELCh color 83, 42.586, 87.622.

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, 42.586, 87.622

Protanopia

83, 41.763, 95.638

Deuteranopia

83, 43.636, 76.652



Tritanopia
83, 20.495, 358.525

Trichromacy



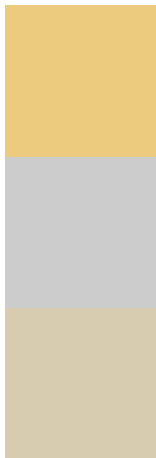
Original Color
83, 42.586, 87.622

Protanomaly
83, 42.284, 92.834

Deuteranomaly
83, 42.940, 80.577

Tritanomaly
83, 20.086, 50.126

Monochromacy



Original Color
83, 42.586, 87.622

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 15.465, 91.391

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 42.586, 87.622 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(236, 203, 126)` looks like.

```
.text, #text, p{  
    color:rgb(236, 203, 126)  
}
```

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(236, 203, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 203, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 42.586, 87.622 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(236, 203, 126) }
```

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

```
.border{ border-color:rgb(236, 203, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 203, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 203, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 203, 126); box-shadow:4px 4px 4px 4px rgb(236, 203, 126) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 42.586, 87.622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 203, 126) }
```

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

```
.background{ background-color: rgb(236,  
203, 126) }
```

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](#).

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