

Converting Colors

CIELCh(83, 41.951, 94.128)

Have a look what the booklet for
CIELCh(83, 41.951, 94.128) contains.

CIELCh(83, 42.075, 93.940)	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, 42.075, 93.940)

Conversions

Conversions Part 1

Format	Color
Hex	E4CE7F
RGB	228, 206, 127
RGB Percent	89%, 81%, 50%
CMY	0.1059, 0.1922, 0.5020
CMYK	0.00, 0.10, 0.44, 0.11
HSL	47°, 65%, 70%
HSV	47°, 44%, 89%
XYZ	57.8913, 62.1629, 29.0234
YIQ	203.5720, 38.4710, -19.9050

Conversions

Conversions Part 2

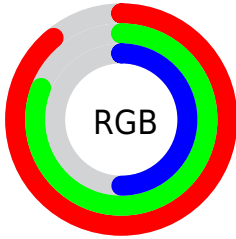
Format	Color
RYB	155, 228, 127
Decimal	14995071
CIELab	83.00, -2.89, 41.98
CIELCh	83, 42.075, 93.940
Yxy	62.1629, 0.3883, 0.4170
Android (android.graphics.Color)	4293185151 (0xFFE4CE7F)
YUV	203.5720, -37.7500, 21.4234
Hunter-Lab	78.8435, -6.9115, 33.3649

Details

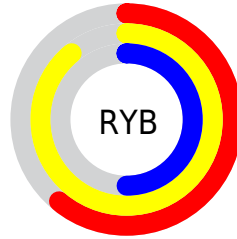
The CIELCh color **83, 42.075, 93.940** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **63, 44.344, 286.519**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 37.154, 107.345**, and **63, 42.114, 93.847** is the 20% darker color. If you saturate the color by 10%, you get **81, 51.295, 92.662**, and if you desaturate by 10%, it is **85, 32.601, 95.205**.

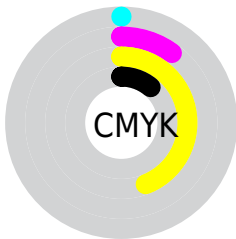
Distribution



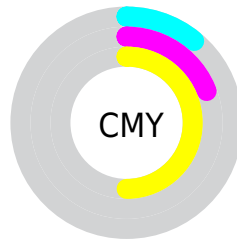
- Red (89%)
- Green (81%)
- Blue (50%)



- Red (61%)
- Yellow (89%)
- Blue (50%)



- Cyan (0%)
- Magenta (10%)
- Yellow (44%)
- Black (11%)



- Cyan (11%)
- Magenta (19%)
- Yellow (50%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 42.075, 93.940 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, 42.075, 93.940 by changing the saturation by 10% instead.

 83, 42.075, 93.940

 83, 42.075, 93.940

 100, 42.075,
93.940

 73, 42.075, 93.940

 63, 42.075, 93.940

 53, 42.075, 93.940

 43, 42.075, 93.940

 33, 42.075, 93.940

 23, 42.075, 93.940

 13, 42.075, 93.940

 3, 42.075, 93.940

 0, 42.075, 93.940

83, 42.075, 93.940

83, 42.075, 93.940

81, 51.295, 92.662

85, 32.601, 95.205

80, 59.958, 91.357

86, 23.046, 96.440

79, 67.576, 90.015

88, 13.506, 97.641

77, 73.452, 88.594

90, 4.033, 98.780

76, 76.846, 87.021

92, 5.345, 279.989

75, 77.835, 86.053

93, 10.208,
275.936

95, 8.435, 259.825

96, 7.597, 238.076

97, 7.979, 215.134

Harmonies

Complementary

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



83, 42.075, 93.940



63, 44.344, 286.519

Rectangle

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



83, 42.075, 93.940



83, 42.075, 143.940



83, 42.075, 273.940



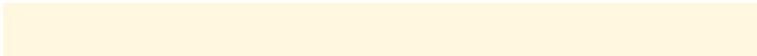
83, 42.075, 323.940

Sweetspot

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



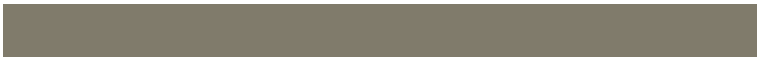
83, 42.076, 93.944



97, 13.438, 97.785



65, 41.747, 6.537



52, 9.414, 97.523



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, 42.076, 93.944



90, 54.872, 92.787



87, 52.234, 117.862



47, 5.379, 98.206



60, 64.907, 86.362



17, 24.063, 89.162

Inverse Universe

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



63, 44.344, 286.519



64, 58.957, 288.676



60, 57.732, 304.079



45, 5.435, 280.486



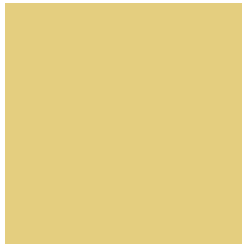
26, 87.594, 301.766



4, 28.640, 291.960

Previews

White Background



This preview shows how the CIELCh color 83, 42.075, 93.940 looks on a white background.

Color Contrast Check

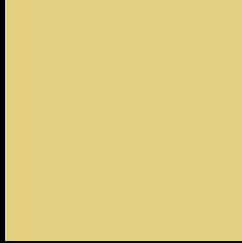
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 83, 42.075, 93.940 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, 42.075, 93.940

Background



This preview shows how black text looks on a background with the CIELCh color 83, 42.075, 93.940.

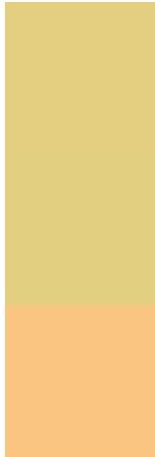


This preview shows how white text looks on a background with the CIELCh color 83, 42.075, 93.940.

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, 42.075, 93.940

Protanopia

83, 42.254, 95.710

Deuteranopia

83, 42.563, 75.334



Tritanopia
83, 17.046, 353.231

Trichromacy



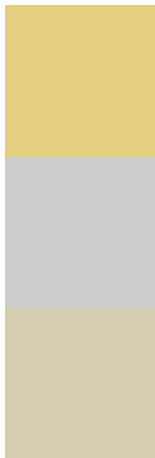
Original Color
83, 42.075, 93.940

Protanomaly
83, 42.342, 95.155

Deuteranomaly
83, 41.875, 81.872

Tritanomaly
83, 17.004, 58.149

Monochromacy



Original Color
83, 42.075, 93.940

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 15.572, 97.383

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 42.075, 93.940 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(228, 206, 127)` looks like.

```
.text, #text, p{  
    color:rgb(228, 206, 127)  
}
```

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(228, 206, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 206, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 42.075, 93.940 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(228, 206, 127) }
```

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

```
.border{ border-color:rgb(228, 206, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 206, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 206, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 206, 127); box-shadow:4px 4px 4px 4px rgb(228, 206, 127) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 42.075, 93.940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 206, 127) }
```

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

```
.background{ background-color: rgb(228,  
206, 127) }
```

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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