

Converting Colors

CIELCh(83, 26.600, 77.157)

Have a look what the booklet for
CIELCh(83, 26.600, 77.157) contains.

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Color

CIELCh(83, 26.617, 77.176)

Conversions

Conversions Part 1

Format	Color
Hex	EBC99E
RGB	235, 201, 158
RGB Percent	92%, 79%, 62%
CMY	0.0769, 0.2102, 0.3789
CMYK	0.00, 0.14, 0.33, 0.08
HSL	34°, 66%, 77%
HSV	34°, 33%, 92%
XYZ	61.5721, 62.1629, 41.2672
YIQ	206.2640, 34.0670, -6.1650

Conversions

Conversions Part 2

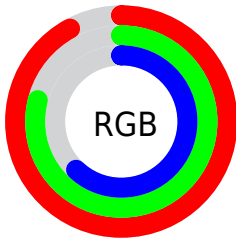
Format	Color
RYB	219, 235, 158
Decimal	15452574
CIELab	83.00, 5.91, 25.95
CIElCh	83, 26.617, 77.176
Yxy	62.1629, 0.3732, 0.3767
Android (android.graphics.Color)	4293642654 (0xFFEBC99E)
YUV	206.2640, -23.7942, 25.2015
Hunter-Lab	78.8435, 1.4219, 24.1577

Details

The CIELCh color $83, 26.617, 77.176$ is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be $77, 25.092, 266.864$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 21.222, 108.570$, and $63, 26.715, 77.277$ is the 20% darker color. If you saturate the color by 10%, you get $80, 35.380, 75.813$, and if you desaturate by 10%, it is $86, 18.141, 78.520$.

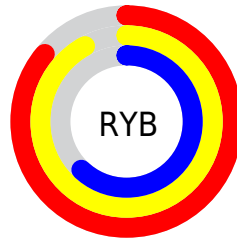
Distribution



Red (92%)

Green (79%)

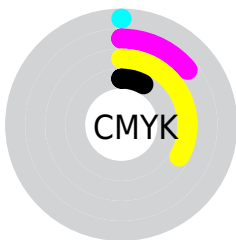
Blue (62%)



Red (86%)

Yellow (92%)

Blue (62%)

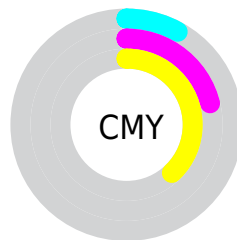


Cyan (0%)

Magenta (14%)

Yellow (33%)

Black (8%)



Cyan (8%)

Magenta (21%)

Yellow (38%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 26.617, 77.176 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, 26.617, 77.176 by changing the saturation by 10% instead.

 83, 26.617, 77.176

 83, 26.617, 77.176

 100, 26.617,
77.176

 73, 26.617, 77.176

 63, 26.617, 77.176

 53, 26.617, 77.176

 43, 26.617, 77.176

 33, 26.617, 77.176

 23, 26.617, 77.176

 13, 26.617, 77.176

 3, 26.617, 77.176

 0, 26.617, 77.176

83, 26.617, 77.176

83, 26.617, 77.176

80, 35.380, 75.813

86, 18.141, 78.520

77, 44.362, 74.408

89, 9.967, 79.817

74, 53.401, 72.941

92, 2.088, 80.958

72, 62.155, 71.349

96, 5.516, 262.436

69, 69.982, 69.492

98, 6.194, 206.913

67, 75.885, 67.113

99, 6.716, 199.079

65, 78.789, 65.011

Harmonies

Complementary

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



83, 26.617, 77.176



77, 25.092, 266.864

Rectangle

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



83, 26.617, 77.176



83, 26.617, 127.176



83, 26.617, 257.176



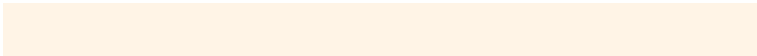
83, 26.617, 307.176

Sweetspot

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



83, 26.617, 77.183



97, 8.316, 80.153



74, 34.064, 349.745



51, 5.689, 79.977



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

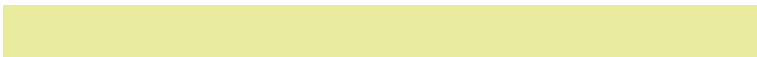
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83, 26.617, 77.183



87, 34.247, 76.304



91, 39.194, 109.223



48, 4.410, 80.225



51, 64.591, 65.672



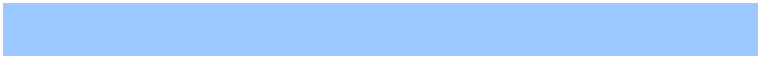
14, 22.330, 67.240

Inverse Universe

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



77, 25.092, 266.864



79, 31.882, 268.310



68, 42.504, 295.923



47, 4.350, 262.793



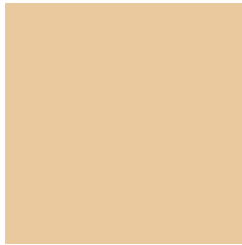
36, 62.501, 289.222



8, 22.790, 281.624

Previews

White Background



This preview shows how the CIELCh color 83, 26.617, 77.176 looks on a white background.

Color Contrast Check

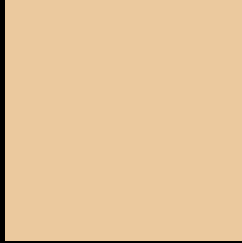
Large Text (above 18pt) WCAG AA × Fail

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, 26.617, 77.176 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, 26.617, 77.176

Background



This preview shows how black text looks on a background with the CIELCh color 83, 26.617, 77.176.



This preview shows how white text looks on a background with the CIELCh color 83, 26.617, 77.176.

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, 26.617, 77.176

Protanopia

83, 24.756, 95.065

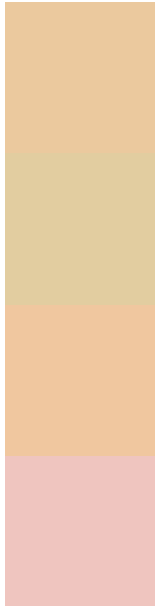
Deuteranopia

83, 27.720, 67.346



Tritanopia
83, 19.292, 355.169

Trichromacy



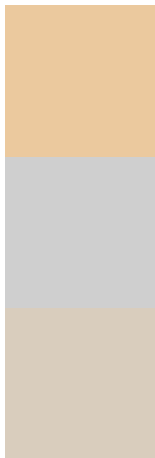
Original Color
83, 26.617, 77.176

Protanomaly
83, 25.116, 88.576

Deuteranomaly
83, 27.026, 70.549

Tritanomaly
83, 16.421, 31.593

Monochromacy



Original Color
83, 26.617, 77.176

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 9.562, 81.064

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 26.617, 77.176 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(235, 201, 158)` looks like.

```
.text, #text, p{  
    color:rgb(235, 201, 158)  
}
```

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(235, 201, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 201, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 26.617, 77.176 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(235, 201, 158) }
```

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

```
.border{ border-color:rgb(235, 201, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 201, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 201, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 201, 158);  
box-shadow:4px 4px 4px 4px rgb(235, 201,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 26.617, 77.176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 201, 158) }
```

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

```
.background{ background-color: rgb(235,  
201, 158) }
```

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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