

Converting Colors

CIELCh(85, 19.934, 83.037)

Have a look what the booklet for
CIELCh(85, 19.934, 83.037) contains.

CIELCh(85, 19.820, 82.899)	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(85, 19.820, 82.899)

Conversions

Conversions Part 1

Format	Color
Hex	E7D1AF
RGB	231, 209, 175
RGB Percent	91%, 82%, 69%
CMY	0.0923, 0.1786, 0.3120
CMYK	0.00, 0.10, 0.24, 0.09
HSL	36°, 54%, 80%
HSV	36°, 24%, 91%
XYZ	63.8029, 66.0070, 50.1652
YIQ	211.7020, 24.0260, -5.9100

Conversions

Conversions Part 2

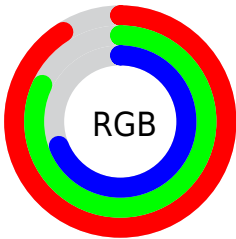
Format	Color
R _Y B	211, 231, 175
Decimal	15192495
CIE Lab	85.00, 2.45, 19.67
CIE LCh	85, 19.820, 82.899
Yxy	66.0070, 0.3545, 0.3668
Android (android.graphics.Color)	4293382575 (0xFFE7D1AF)
YUV	211.7020, -18.0941, 16.9243
Hunter-Lab	81.2447, -1.9990, 20.2622

Details

The CIELCh color **85, 19.820, 82.899** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **79, 19.340, 269.750**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 12.147, 109.259**, and **65, 20.154, 83.538** is the 20% darker color. If you saturate the color by 10%, you get **82, 28.416, 81.544**, and if you desaturate by 10%, it is **88, 11.458, 84.225**.

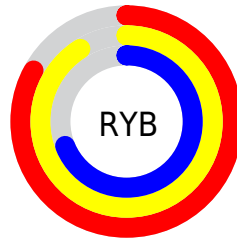
Distribution



Red (91%)

Green (82%)

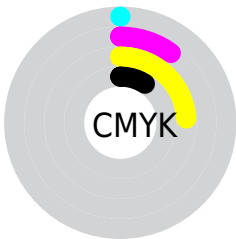
Blue (69%)



Red (83%)

Yellow (91%)

Blue (69%)

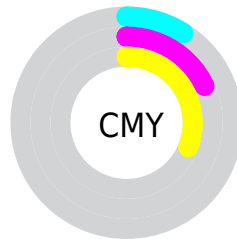


Cyan (0%)

Magenta (10%)

Yellow (24%)

Black (9%)



Cyan (9%)

Magenta (18%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 19.820, 82.899 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 85, 19.820, 82.899 by changing the saturation by 10% instead.

85, 19.820, 82.899

85, 19.820, 82.899

100, 19.820,
82.899

75, 19.820, 82.899

65, 19.820, 82.899

55, 19.820, 82.899

45, 19.820, 82.899

35, 19.820, 82.899

25, 19.820, 82.899

15, 19.820, 82.899

5, 19.820, 82.899

0, 19.820, 82.899

85, 19.820, 82.899

85, 19.820, 82.899

82, 28.416, 81.544

88, 11.458, 84.225

80, 37.207, 80.142

91, 3.336, 85.447

77, 46.095, 78.692

93, 4.556, 266.855

75, 54.874, 77.171

96, 6.717, 243.707

72, 63.139, 75.512

98, 8.006, 199.240

70, 70.190, 73.584

98, 8.031, 198.980

68, 75.062, 71.156

67, 76.944, 69.532

Harmonies

Complementary

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



85, 19.820, 82.899



79, 19.340, 269.750

Rectangle

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



85, 19.820, 82.899



85, 19.820, 132.899



85, 19.820, 262.899



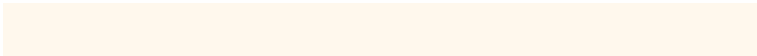
85, 19.820, 312.899

Sweetspot

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



85, 19.821, 82.907



98, 6.039, 85.125



77, 24.044, 351.822



52, 3.928, 85.051



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 19.821, 82.907



91, 25.874, 82.237



90, 28.835, 112.123



47, 4.516, 84.829



52, 63.288, 70.148



14, 21.420, 72.351

Inverse Universe

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



79, 19.340, 269.750



84, 25.108, 270.688



74, 30.508, 296.466



45, 4.484, 267.378



33, 67.547, 292.811



7, 23.550, 284.551

Previews

White Background



This preview shows how the CIELCh color 85, 19.820, 82.899 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 85, 19.820, 82.899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

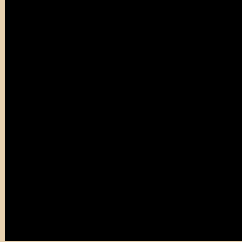
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

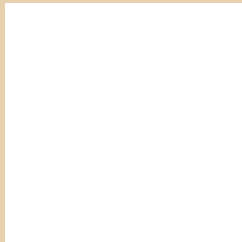
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 19.820, 82.899

Background



This preview shows how black text looks on a background with the CIELCh color 85, 19.820, 82.899.



This preview shows how white text looks on a background with the CIELCh color 85, 19.820, 82.899.

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
85, 19.820, 82.899

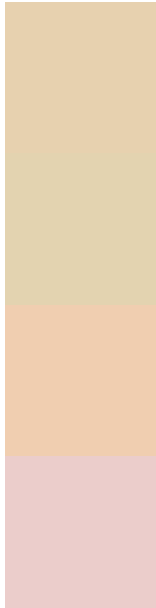
Protanopia
85, 18.882, 94.327

Deuteranopia
85, 21.997, 61.676



Tritanopia
85, 14.975, 346.508

Trichromacy



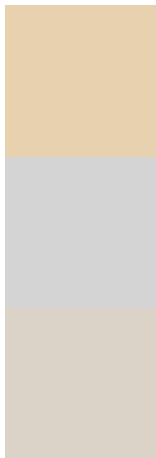
Original Color
85, 19.820, 82.899

Protanomaly
85, 19.353, 89.816

Deuteranomaly
85, 20.754, 68.763

Tritanomaly
85, 11.274, 25.505

Monochromacy



Original Color
85, 19.820, 82.899

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 6.942, 84.219

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 19.820, 82.899 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(231, 209, 175)` looks like.

```
.text, #text, p{  
    color:rgb(231, 209, 175)  
}
```

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(231, 209, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 209, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 19.820, 82.899 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(231, 209, 175) }
```

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

```
.border{ border-color:rgb(231, 209, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 209, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 209, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 209, 175);  
box-shadow:4px 4px 4px 4px rgb(231, 209,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 19.820, 82.899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 209, 175) }
```

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

```
.background{ background-color: rgb(231,  
209, 175) }
```

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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