

Converting Colors

CIELCh(85, 20.192, 83.071)

Have a look what the booklet for
CIELCh(85, 20.192, 83.071) contains.

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Color

CIELCh(85, 20.000, 81.883)

Conversions

Conversions Part 1

Format	Color
Hex	E8D1AF
RGB	232, 209, 175
RGB Percent	91%, 82%, 69%
CMY	0.0893, 0.1795, 0.3129
CMYK	0.00, 0.10, 0.25, 0.09
HSL	36°, 56%, 80%
HSV	36°, 25%, 91%
XYZ	63.9665, 66.0070, 50.0370
YIQ	212.0010, 24.6220, -5.6980

Conversions

Conversions Part 2

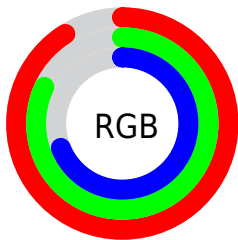
Format	Color
RYB	214, 232, 175
Decimal	15258031
CIELab	85.00, 2.82, 19.80
CIELCh	85, 20.000, 81.883
Yxy	66.0070, 0.3553, 0.3667
Android (android.graphics.Color)	4293448111 (0xFFE8D1AF)
YUV	212.0010, -18.2415, 17.5391
Hunter-Lab	81.2447, -1.6396, 20.3558

Details

The CIELCh color **85, 20.000, 81.883** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **79, 19.435, 268.857**, 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, 20.343, 82.458** is the 20% darker color. If you saturate the color by 10%, you get **82, 28.581, 80.528**, and if you desaturate by 10%, it is **88, 11.668, 83.211**.

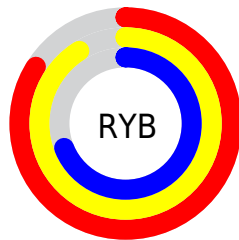
Distribution



Red (91%)

Green (82%)

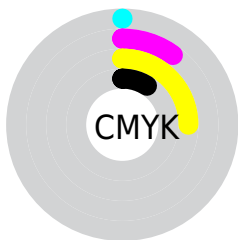
Blue (69%)



Red (84%)

Yellow (91%)

Blue (69%)

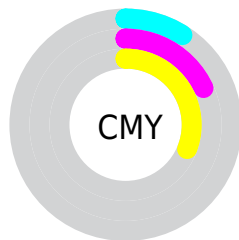


Cyan (0%)

Magenta (10%)

Yellow (25%)

Black (9%)



Cyan (9%)

Magenta (18%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 20.000, 81.883 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, 20.000, 81.883 by changing the saturation by 10% instead.

85, 20.000, 81.883

85, 20.000, 81.883

100, 20.000,
81.883

75, 20.000, 81.883

65, 20.000, 81.883

55, 20.000, 81.883

45, 20.000, 81.883

35, 20.000, 81.883

25, 20.000, 81.883

15, 20.000, 81.883

5, 20.000, 81.883

0, 20.000, 81.883

85, 20.000, 81.883

85, 20.000, 81.883

82, 28.581, 80.528

88, 11.668, 83.211

80, 37.372, 79.127

91, 3.587, 84.439

77, 46.279, 77.680

94, 4.252, 265.854

74, 55.095, 76.159

96, 6.452, 240.520

72, 63.413, 74.496

98, 7.779, 198.998

70, 70.520, 72.549

67, 75.434, 70.077

66, 77.271, 68.531

Harmonies

Complementary

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



85, 20.000, 81.883



79, 19.435, 268.857

Rectangle

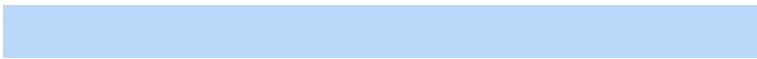
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85, 20.000, 81.883



85, 20.000, 131.883



85, 20.000, 261.883



85, 20.000, 311.883

Sweetspot

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



85, 20.001, 81.891



98, 5.981, 84.154



77, 24.684, 350.814



52, 3.890, 84.081



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, 20.001, 81.891



91, 25.670, 81.269



90, 29.291, 111.382



48, 4.555, 83.856



52, 64.060, 69.129



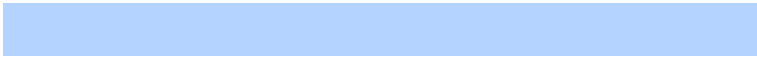
14, 22.581, 71.307

Inverse Universe

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



79, 19.435, 268.857



84, 24.795, 269.734



74, 31.028, 295.933



46, 4.517, 266.418



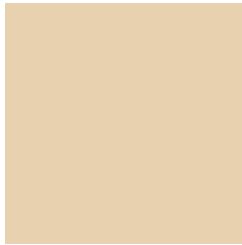
34, 67.055, 292.112



7, 24.289, 284.776

Previews

White Background



This preview shows how the CIELCh color 85, 20.000, 81.883 looks on a white background.

Color Contrast Check

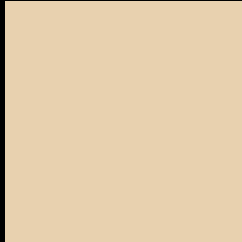
Large Text (above 18pt) WCAG AA × Fail

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, 20.000, 81.883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

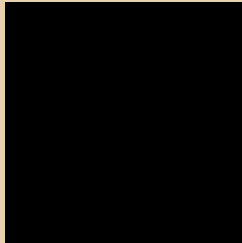
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 20.000, 81.883

Background



This preview shows how black text looks on a background with the CIELCh color 85, 20.000, 81.883.



This preview shows how white text looks on a background with the CIELCh color 85, 20.000, 81.883.

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, 20.000, 81.883

Protanopia

85, 18.882, 94.327

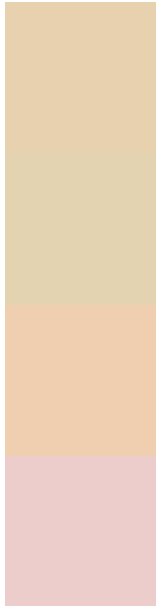
Deuteranopia

85, 21.997, 61.676



Tritanopia
85, 15.280, 347.319

Trichromacy



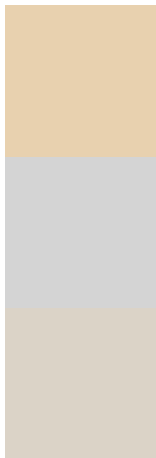
Original Color
85, 20.000, 81.883

Protanomaly
85, 19.353, 89.816

Deuteranomaly
85, 20.754, 68.763

Tritanomaly
85, 11.655, 25.360

Monochromacy



Original Color
85, 20.000, 81.883

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, 20.000, 81.883 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(232, 209, 175)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 209, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 209, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 20.000, 81.883 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(232, 209, 175) }
```

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

```
.border{ border-color:rgb(232, 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(232, 209, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 209, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 209, 175);  
box-shadow:4px 4px 4px 4px rgb(232, 209,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 20.000, 81.883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 209, 175) }
```

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

```
.background{ background-color: rgb(232,  
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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