

Converting Colors

CIELCh(87, 18.510, 82.500)

Have a look what the booklet for
CIELCh(87, 18.510, 82.500) contains.

CIELCh(87, 18.583, 82.829)	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(87, 18.583, 82.829)

Conversions

Conversions Part 1

Format	Color
Hex	ECD7B7
RGB	236, 215, 183
RGB Percent	93%, 84%, 72%
CMY	0.0737, 0.1560, 0.2815
CMYK	0.00, 0.09, 0.22, 0.07
HSL	36°, 59%, 82%
HSV	36°, 22%, 93%
XYZ	67.5874, 70.0064, 54.8628
YIQ	217.6310, 22.7880, -5.5000

Conversions

Conversions Part 2

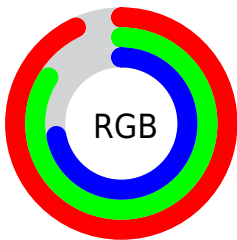
Format	Color
R _Y B	218, 236, 183
Decimal	15521719
CIE Lab	87.00, 2.32, 18.44
CIE LCh	87, 18.583, 82.829
Yxy	70.0064, 0.3512, 0.3638
Android (android.graphics.Color)	4293711799 (0xFFECD7B7)
YUV	217.6310, -17.0731, 16.1096
Hunter-Lab	83.6698, -2.2321, 19.6920

Details

The CIELCh color **87, 18.583, 82.829** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **82, 18.150, 269.141**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 8.099, 109.562**, and **67, 18.525, 81.833** is the 20% darker color. If you saturate the color by 10%, you get **84, 27.267, 81.480**, and if you desaturate by 10%, it is **90, 10.145, 84.148**.

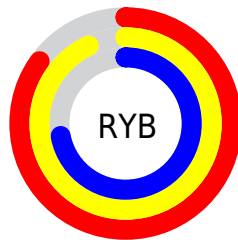
Distribution



Red (93%)

Green (84%)

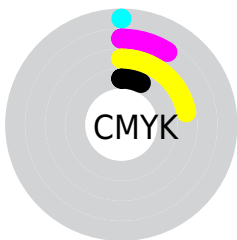
Blue (72%)



Red (85%)

Yellow (93%)

Blue (72%)

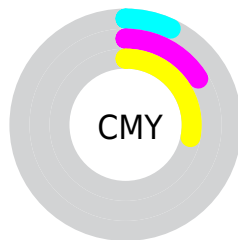


Cyan (0%)

Magenta (9%)

Yellow (22%)

Black (7%)



Cyan (7%)

Magenta (16%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 18.583, 82.829 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 87, 18.583, 82.829 by changing the saturation by 10% instead.

87, 18.583, 82.829

87, 18.583, 82.829

100, 18.583,
82.829

77, 18.583, 82.829

67, 18.583, 82.829

57, 18.583, 82.829

47, 18.583, 82.829

37, 18.583, 82.829

27, 18.583, 82.829

17, 18.583, 82.829

7, 18.583, 82.829

0, 18.583, 82.829

87, 18.583, 82.829

87, 18.583, 82.829

84, 27.267, 81.480

90, 10.145, 84.148

81, 36.164, 80.084

93, 1.954, 85.296

79, 45.190, 78.643

96, 6.002, 266.754

76, 54.160, 77.136

98, 5.739, 211.252

74, 62.707, 75.507

99, 6.441, 199.100

71, 70.175, 73.634

69, 75.602, 71.299

68, 78.177, 69.177

Harmonies

Complementary

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



87, 18.583, 82.829



82, 18.150, 269.141

Rectangle

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



87, 18.583, 82.829



87, 18.583, 132.829



87, 18.583, 262.829



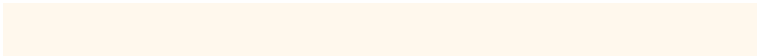
87, 18.583, 312.829

Sweetspot

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



87, 18.584, 82.837



98, 6.021, 84.822



80, 22.619, 351.619



52, 3.916, 84.749



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 18.584, 82.837



92, 23.958, 82.209



92, 27.203, 112.267



48, 4.585, 84.524



53, 63.990, 69.802



15, 22.642, 72.076

Inverse Universe

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



82, 18.150, 269.141



85, 23.269, 270.001



77, 28.652, 296.266



46, 4.550, 267.081



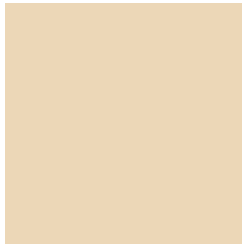
34, 67.935, 292.624



7, 24.569, 285.301

Previews

White Background



This preview shows how the CIELCh color 87, 18.583, 82.829 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 87, 18.583, 82.829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

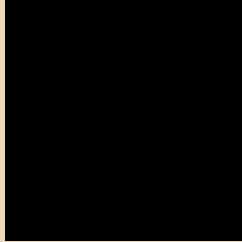
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 18.583, 82.829

Background



This preview shows how black text looks on a background with the CIELCh color 87, 18.583, 82.829.



This preview shows how white text looks on a background with the CIELCh color 87, 18.583, 82.829.

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


87, 18.583, 82.829

Protanopia

87, 17.896, 92.493

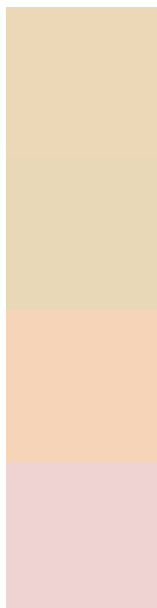
Deuteranopia

87, 21.114, 59.827



Tritanopia
87, 14.602, 343.079

Trichromacy



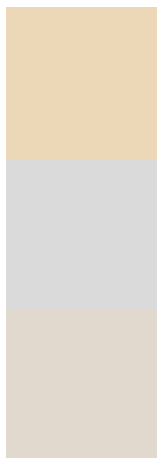
Original Color
87, 18.583, 82.829

Protanomaly
87, 17.785, 88.480

Deuteranomaly
87, 19.805, 67.067

Tritanomaly
87, 10.393, 22.980

Monochromacy



Original Color
87, 18.583, 82.829

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 6.904, 84.248

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 18.583, 82.829 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, 215, 183)` looks like.

```
.text, #text, p{  
    color:rgb(236, 215, 183)  
}
```

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, 215, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 215, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 18.583, 82.829 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, 215, 183) }
```

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

```
.border{ border-color:rgb(236, 215, 183) }
```

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

Here you see how a box with a 4 pixel rgb(236, 215, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 215, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 215, 183);  
box-shadow:4px 4px 4px 4px rgb(236, 215,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 18.583, 82.829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 215, 183) }
```

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

```
.background{ background-color: rgb(236,  
215, 183) }
```

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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