

Converting Colors

CIELCh(78, 30.883, 87.831)

Have a look what the booklet for
CIELCh(78, 30.883, 87.831) contains.

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Color

CIELCh(78, 30.570, 87.710)

Conversions

Conversions Part 1

Format	Color
Hex	D7BE88
RGB	215, 190, 136
RGB Percent	84%, 75%, 53%
CMY	0.1558, 0.2539, 0.4657
CMYK	0.00, 0.12, 0.37, 0.16
HSL	41°, 50%, 69%
HSV	41°, 37%, 84%
XYZ	51.0352, 53.2120, 30.9656
YIQ	191.3190, 32.2340, -11.4940

Conversions

Conversions Part 2

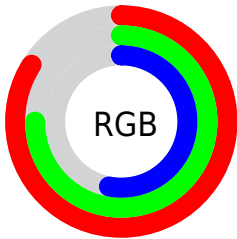
Format	Color
RYB	173, 215, 136
Decimal	14139016
CIELab	78.00, 1.22, 30.55
CIELCh	78, 30.570, 87.710
Yxy	53.2120, 0.3774, 0.3935
Android (android.graphics.Color)	4292329096 (0xFFD7BE88)
YUV	191.3190, -27.2723, 20.7682
Hunter-Lab	72.9466, -2.7735, 25.8942

Details

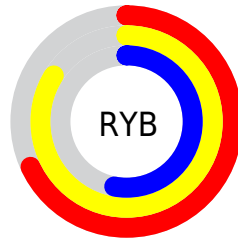
The CIELCh color **78, 30.570, 87.710** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **66, 30.591, 278.403**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 28.617, 101.033**, and **58, 30.891, 88.014** is the 20% darker color. If you saturate the color by 10%, you get **76, 39.121, 86.335**, and if you desaturate by 10%, it is **80, 22.065, 89.055**.

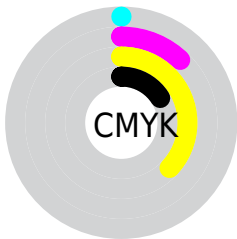
Distribution



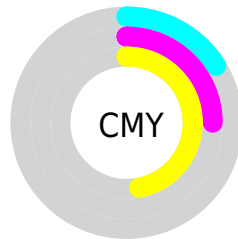
- Red (84%)
- Green (75%)
- Blue (53%)



- Red (68%)
- Yellow (84%)
- Blue (53%)



- Cyan (0%)
- Magenta (12%)
- Yellow (37%)
- Black (16%)



- Cyan (16%)
- Magenta (25%)
- Yellow (47%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 30.570, 87.710 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 78, 30.570, 87.710 by changing the saturation by 10% instead.

 78, 30.570, 87.710

 78, 30.570, 87.710

 100, 30.570,
87.710

 68, 30.570, 87.710

 98, 30.570, 87.710

 58, 30.570, 87.710

 48, 30.570, 87.710

 38, 30.570, 87.710

 28, 30.570, 87.710

 18, 30.570, 87.710

 8, 30.570, 87.710

 0, 30.570, 87.710

 78, 30.570, 87.710

 78, 30.570, 87.710

76, 39.121, 86.335

80, 22.065, 89.055

74, 47.571, 84.908

82, 13.674, 90.352

72, 55.650, 83.412

85, 5.432, 91.586

70, 62.886, 81.794

87, 2.653, 272.937

68, 68.555, 79.948

89, 10.581,
274.034

67, 71.883, 77.709

91, 13.331,
267.712

66, 72.710, 76.934

93, 11.469,
249.405

95, 11.072,
227.376

96, 12.254,
206.964

Harmonies

Complementary

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



78, 30.570, 87.710



66, 30.591, 278.403

Rectangle

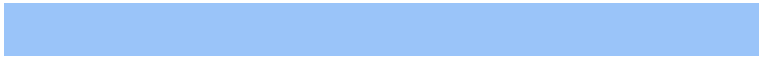
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78, 30.570, 87.710



78, 30.570, 137.710



78, 30.570, 267.710



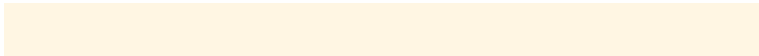
78, 30.570, 317.710

Sweetspot

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



78, 30.571, 87.715



97, 10.269, 91.055



66, 33.507, 359.097



51, 6.910, 90.885



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 30.571, 87.715



89, 42.238, 86.654



83, 41.167, 114.769



44, 4.591, 91.262



53, 61.237, 77.405



12, 18.383, 80.400

Inverse Universe

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



66, 30.591, 278.403



73, 42.387, 280.143



61, 44.880, 300.665



42, 4.598, 273.701



28, 73.945, 297.308



4, 21.548, 285.003

Previews

White Background



This preview shows how the CIELCh color 78, 30.570, 87.710 looks on a white background.

Color Contrast Check

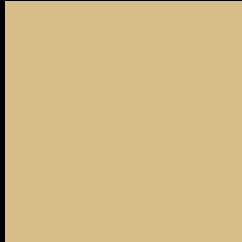
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 78, 30.570, 87.710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

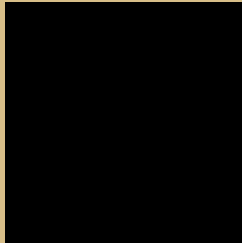
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 30.570, 87.710

Background



This preview shows how black text looks on a background with the CIELCh color 78, 30.570, 87.710.



This preview shows how white text looks on a background with the CIELCh color 78, 30.570, 87.710.

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

78, 30.570, 87.710

Protanopia

78, 30.296, 95.674

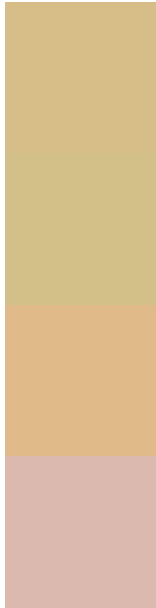
Deuteranopia

78, 31.803, 72.576



Tritanopia
78, 16.935, 352.710

Trichromacy



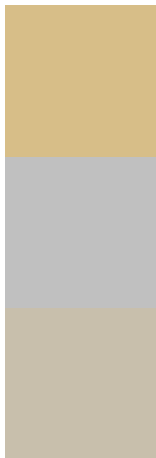
Original Color
78, 30.570, 87.710

Protanomaly
78, 30.220, 92.448

Deuteranomaly
78, 30.968, 77.913

Tritanomaly
78, 14.688, 41.545

Monochromacy



Original Color
78, 30.570, 87.710

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 10.710, 90.312

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 30.570, 87.710 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(215, 190, 136)` looks like.

```
.text, #text, p{  
    color:rgb(215, 190, 136)  
}
```

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(215, 190, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 190, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 30.570, 87.710 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(215, 190, 136) }
```

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

```
.border{ border-color:rgb(215, 190, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 190, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 190, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 190, 136);  
box-shadow:4px 4px 4px 4px rgb(215, 190,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 30.570, 87.710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 190, 136) }
```

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

```
.background{ background-color: rgb(215,  
190, 136) }
```

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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