

Converting Colors

CIELCh(87, 12.424, 108.826)

Have a look what the booklet for
CIELCh(87, 12.424, 108.826)
contains.

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Color

CIELCh(87, 11.980, 107.373)

Conversions

Conversions Part 1

Format	Color
Hex	DCDBC4
RGB	220, 219, 196
RGB Percent	86%, 86%, 77%
CMY	0.1365, 0.1404, 0.2306
CMYK	0.00, 0.00, 0.11, 0.14
HSL	58°, 26%, 82%
HSV	58°, 11%, 86%
XYZ	64.9435, 70.0064, 62.4299
YIQ	216.6770, 7.9790, -6.9410

Conversions

Conversions Part 2

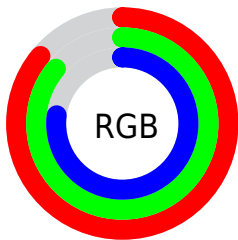
Format	Color
RYB	197, 220, 196
Decimal	14474180
CIELab	87.00, -3.58, 11.43
CIELCh	87, 11.980, 107.373
Yxy	70.0064, 0.3290, 0.3547
Android (android.graphics.Color)	4292664260 (0xFFDCDBC4)
YUV	216.6770, -10.1938, 2.9143
Hunter-Lab	83.6698, -7.8726, 14.3299

Details

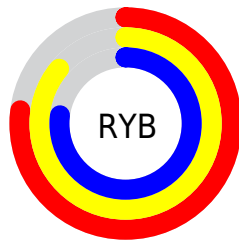
The CIELCh color **87, 11.980, 107.373** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80, 12.262, 289.651**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 1.003, 110.026**, and **67, 12.088, 107.017** is the 20% darker color. If you saturate the color by 10%, you get **86, 22.930, 106.374**, and if you desaturate by 10%, it is **88, 0.981, 108.296**.

Distribution



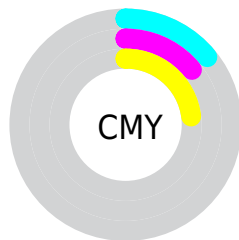
- Red (86%)
- Green (86%)
- Blue (77%)



- Red (77%)
- Yellow (86%)
- Blue (77%)



- Cyan (0%)
- Magenta (0%)
- Yellow (11%)
- Black (14%)



- Cyan (14%)
- Magenta (14%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 11.980, 107.373 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, 11.980, 107.373 by changing the saturation by 10% instead.

■ 87, 11.980,
107.373

■ 87, 11.980,
107.373

■ 100, 11.980,
107.373

■ 77, 11.980,
107.373

■ 67, 11.980,
107.373

■ 57, 11.980,
107.373

■ 47, 11.980,
107.373

■ 37, 11.980,
107.373

■ 27, 11.980,
107.373

■ 17, 11.980,

107.373

■ 7, 11.980, 107.373

■ 0, 11.980, 107.373

■ 87, 11.980,
107.373

■ 87, 11.980,
107.373

■ 86, 22.930,
106.374

■ 88, 0.981, 108.296

■ 86, 33.747,
105.362

■ 89, 10.023,
289.363

■ 85, 44.307,
104.365

■ 89, 17.228,
289.628

■ 85, 54.413,
103.404

■ 89, 16.748,
288.480

■ 84, 63.757,

■ 90, 16.275,
287.267

102.506

90, 15.810,
285.985

84, 71.894,
101.703

90, 15.354,
284.627

83, 78.258,
101.026

90, 14.906,
283.190

83, 82.319,
100.498

91, 14.469,
281.667

83, 84.114,
100.133

Harmonies

Complementary

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



87, 11.980, 107.373



80, 12.262, 289.651

Rectangle

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



87, 11.980, 107.373



87, 11.980, 157.373



87, 11.980, 287.373



87, 11.980, 337.373

Sweetspot

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



87, 11.982, 107.381



100, 3.709, 108.148



81, 8.993, 16.019



53, 2.813, 108.074



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, 11.982, 107.381



99, 16.093, 107.160



86, 13.169, 126.804



46, 6.220, 107.528



67, 70.410, 100.178



17, 25.443, 101.919

Inverse Universe

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



80, 12.262, 289.651



90, 16.541, 289.913



81, 13.395, 307.815



42, 6.348, 289.481



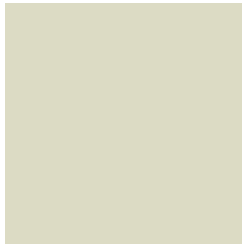
21, 98.275, 305.749



2, 28.746, 294.035

Previews

White Background



This preview shows how the CIELCh color 87, 11.980, 107.373 looks on a white background.

Color Contrast Check

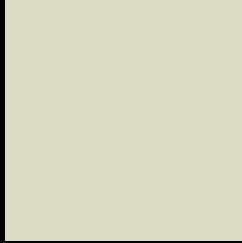
Large Text (above 18pt) WCAG AA × Fail

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, 11.980, 107.373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

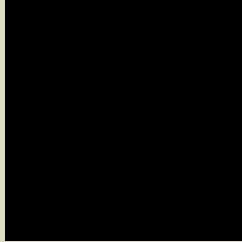
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

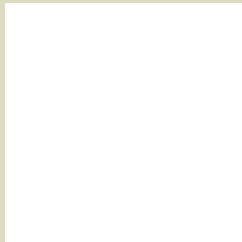
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 11.980, 107.373

Background



This preview shows how black text looks on a background with the CIELCh color 87, 11.980, 107.373.



This preview shows how white text looks on a background with the CIELCh color 87, 11.980, 107.373.

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](#).

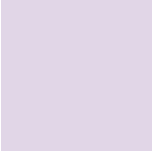
Dichromacy



Original Color
87, 11.980, 107.373

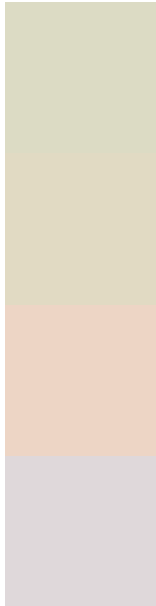
Protanopia
87, 12.060, 90.984

Deuteranopia
87, 15.096, 44.618



Tritanopia
87, 9.769, 314.320

Trichromacy



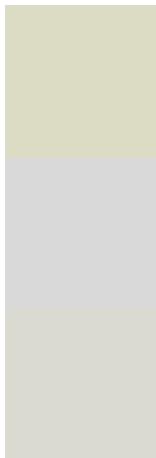
Original Color
87, 11.980, 107.373

Protanomaly
87, 12.256, 96.747

Deuteranomaly
87, 12.360, 62.138

Tritanomaly
87, 2.750, 357.057

Monochromacy



Original Color
87, 11.980, 107.373

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 4.691, 109.769

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 11.980, 107.373 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(220, 219, 196)` looks like.

```
.text, #text, p{  
    color:rgb(220, 219, 196)  
}
```

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(220, 219, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 219, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 11.980, 107.373 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(220, 219, 196) }
```

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

```
.border{ border-color:rgb(220, 219, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 219, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 219, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 219, 196);  
box-shadow:4px 4px 4px 4px rgb(220, 219,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 11.980, 107.373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 219, 196) }
```

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

```
.background{ background-color: rgb(220,  
219, 196) }
```

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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