

Converting Colors

CIELCh(87, 10.941, 107.297)

Have a look what the booklet for
CIELCh(87, 10.941, 107.297)
contains.

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Color

CIELCh(87, 10.941, 107.297)

Conversions

Conversions Part 1

Format	Color
Hex	DCDBC6
RGB	220, 219, 198
RGB Percent	86%, 86%, 78%
CMY	0.1370, 0.1409, 0.2233
CMYK	0.00, 0.00, 0.10, 0.14
HSL	57°, 24%, 82%
HSV	57°, 10%, 86%
XYZ	65.0870, 70.0064, 63.5494
YIQ	216.9050, 7.3370, -6.3190

Conversions

Conversions Part 2

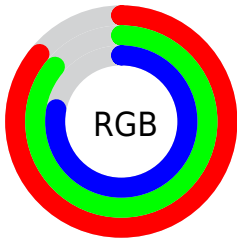
Format	Color
RYB	199, 220, 198
Decimal	14474182
CIELab	87.00, -3.25, 10.45
CIELCh	87, 10.941, 107.297
Yxy	70.0064, 0.3277, 0.3524
Android (android.graphics.Color)	4292664262 (0xFFDCDBC6)
YUV	216.9050, -9.3202, 2.7143
Hunter-Lab	83.6698, -7.5665, 13.5366

Details

The CIELCh color $87, 10.941, 107.297$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $81, 11.178, 289.387$, and the grayscale version is $87, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $67, 10.993, 106.953$ is the 20% darker color. If you saturate the color by 10%, you get $86, 21.854, 106.296$, and if you desaturate by 10%, it is $88, 0.013, 294.971$.

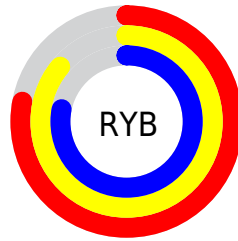
Distribution



Red (86%)

Green (86%)

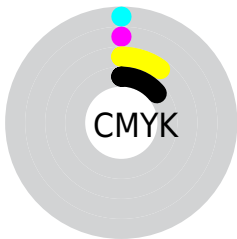
Blue (78%)



Red (78%)

Yellow (86%)

Blue (78%)

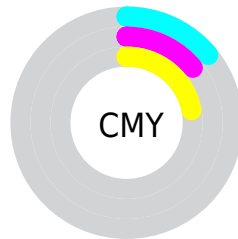


Cyan (0%)

Magenta (0%)

Yellow (10%)

Black (14%)



Cyan (14%)


Magenta (14%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 10.941, 107.297 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, 10.941, 107.297 by changing the saturation by 10% instead.


 87, 10.941,
107.297


 87, 10.941,
107.297


 100, 10.941,
107.297


 77, 10.941,
107.297


 67, 10.941,
107.297

 57, 10.941,
107.297

 47, 10.941,
107.297

 37, 10.941,
107.297

 27, 10.941,
107.297

 17, 10.941,

107.297

■ 7, 10.941, 107.297

■ 0, 10.941, 107.297

■ 87, 10.941,
107.297

■ 87, 10.941,
107.297

■ 86, 21.854,
106.296

■ 88, 0.013, 294.971

■ 86, 32.646,
105.280

■ 89, 10.967,
289.289

■ 85, 43.200,
104.276

■ 89, 17.165,
289.339

■ 84, 53.327,
103.304

■ 90, 16.644,
288.071

■ 84, 62.733,

■ 90, 16.132,
286.724

102.391

90, 15.629,
285.293

84, 70.985,
101.567

90, 15.137,
283.770

83, 77.524,
100.864

91, 14.656,
282.149

83, 81.801,
100.304

91, 14.188,
280.423

83, 83.848, 99.874

Harmonies

Complementary

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



87, 10.941, 107.297



81, 11.178, 289.387

Rectangle

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



87, 10.941, 107.297



87, 10.941, 157.297



87, 10.941, 287.297



87, 10.941, 337.297

Sweetspot

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



87, 10.943, 107.306



100, 3.694, 107.985



82, 8.217, 15.936



53, 2.802, 107.910



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, 10.943, 107.306



99, 14.800, 107.095



87, 12.071, 126.848



46, 6.196, 107.362



67, 70.221, 99.924



17, 25.349, 101.704

Inverse Universe

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



81, 11.178, 289.387



91, 15.179, 289.633



81, 12.263, 307.769



42, 6.322, 289.322



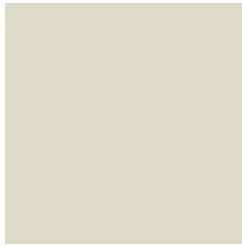
21, 98.102, 305.700



2, 28.669, 293.952

Previews

White Background



This preview shows how the CIELCh color 87, 10.941, 107.297 looks on a white background.

Color Contrast Check

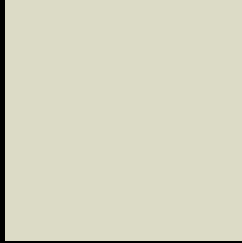
Large Text (above 18pt) WCAG AA × Fail

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, 10.941, 107.297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

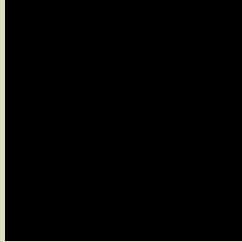
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

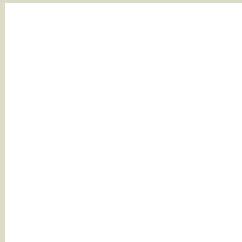
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 10.941, 107.297

Background



This preview shows how black text looks on a background with the CIELCh color 87, 10.941, 107.297.

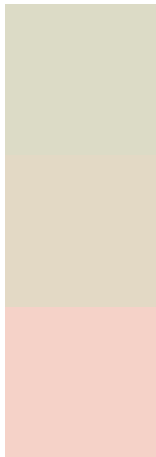


This preview shows how white text looks on a background with the CIELCh color 87, 10.941, 107.297.

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](#).

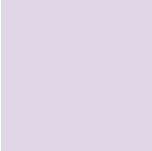
Dichromacy



Original Color
87, 10.941, 107.297

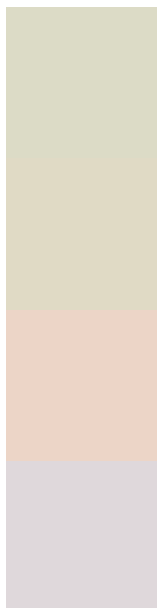
Protanopia
87, 11.070, 89.446

Deuteranopia
87, 14.276, 41.571



Tritanopia
87, 9.769, 314.320

Trichromacy



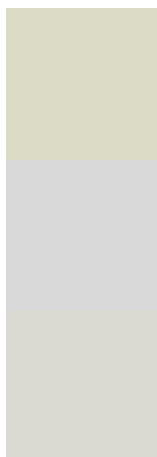
Original Color
87, 10.941, 107.297

Protanomaly
87, 11.159, 97.621

Deuteranomaly
87, 11.352, 59.730

Tritanomaly
87, 2.991, 347.804

Monochromacy



Original Color
87, 10.941, 107.297

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 4.169, 109.811

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 10.941, 107.297 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(220, 219, 198)  
}
```

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, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 219, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 10.941, 107.297 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, 198) }
```

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

```
.border{ border-color:rgb(220, 219, 198) }
```

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, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 219, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 219, 198);  
box-shadow:4px 4px 4px 4px rgb(220, 219,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 10.941, 107.297 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, 198) }
```

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

```
.background{ background-color: rgb(220,  
219, 198) }
```

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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