

Converting Colors

CIELCh(87, 19.569, 109.720)

Have a look what the booklet for
CIELCh(87, 19.569, 109.720)
contains.

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Color

CIELCh(87, 19.744, 110.727)

Conversions

Conversions Part 1

Format	Color
Hex	DBDDB7
RGB	219, 221, 183
RGB Percent	86%, 87%, 72%
CMY	0.1422, 0.1343, 0.2833
CMYK	0.01, 0.00, 0.17, 0.13
HSL	63°, 36%, 79%
HSV	63°, 17%, 87%
XYZ	63.4463, 70.0064, 54.8334
YIQ	216.0700, 11.0060, -12.2420

Conversions

Conversions Part 2

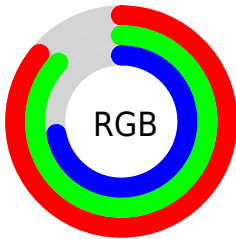
Format	Color
R _{YB}	183, 221, 185
Decimal	14409143
CIE _{Lab}	87.00, -6.99, 18.47
CIE _{LCh}	87, 19.744, 110.727
Y _{xy}	70.0064, 0.3370, 0.3718
Android (android.graphics.Color)	4292599223 (0xFFDBDDB7)
YUV	216.0700, -16.3035, 2.5696
Hunter-Lab	83.6698, -11.0667, 19.7129

Details

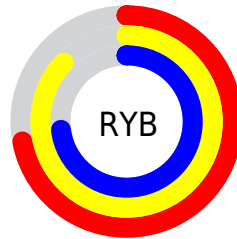
The CIELCh color **87, 19.744, 110.727** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **76, 20.540, 293.982**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 8.099, 109.562**, and **67, 19.699, 110.488** is the 20% darker color. If you saturate the color by 10%, you get **86, 31.067, 109.842**, and if you desaturate by 10%, it is **88, 8.291, 111.618**.

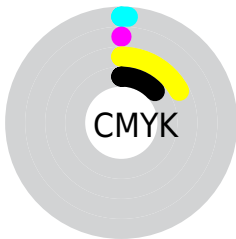
Distribution



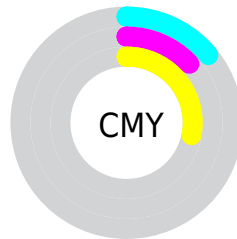
- Red (86%)
- Green (87%)
- Blue (72%)



- Red (72%)
- Yellow (87%)
- Blue (73%)



- Cyan (1%)
- Magenta (0%)
- Yellow (17%)
- Black (13%)





- Cyan (14%)
- Magenta (13%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 19.744, 110.727 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, 19.744, 110.727 by changing the saturation by 10% instead.


 87, 19.744,
110.727

 87, 19.744,
110.727


 100, 19.744,
110.727


 77, 19.744,
110.727

 67, 19.744,
110.727

 57, 19.744,
110.727

 47, 19.744,
110.727

 37, 19.744,
110.727

 27, 19.744,
110.727

 17, 19.744,

110.727

■ 7, 19.744, 110.727

■ 0, 19.744, 110.727

■ 87, 19.744,
110.727

■ 87, 19.744,
110.727

■ 86, 31.067,
109.842

■ 88, 8.291, 111.618

■ 86, 42.138,
108.969

■ 88, 3.224, 292.512

■ 86, 52.780,
108.139

■ 89, 14.746,
293.349

■ 85, 62.721,
107.387

■ 89, 17.902,
294.486

■ 85, 71.565,

■ 89, 17.931,
295.741

106.757

89, 17.968,
296.993

85, 78.794,
106.304

89, 18.013,
298.243

85, 83.877,
106.081

90, 18.067,
299.490

85, 86.569,
106.114

90, 18.129,
300.731

85, 87.099,
106.146

Harmonies

Complementary

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



87, 19.744, 110.727



76, 20.540, 293.982

Rectangle

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



87, 19.744, 110.727



87, 19.744, 160.727



87, 19.744, 290.727



87, 19.744, 340.727

Sweetspot

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



87, 19.746, 110.732



100, 6.460, 111.807



78, 13.901, 24.645



53, 4.408, 111.746



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, 19.746, 110.732



99, 27.039, 110.379



86, 21.349, 130.042



46, 6.490, 111.423



68, 72.732, 106.093



18, 26.520, 107.152

Inverse Universe

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



76, 20.540, 293.982



83, 28.402, 294.451



77, 21.799, 311.553



42, 6.635, 293.145



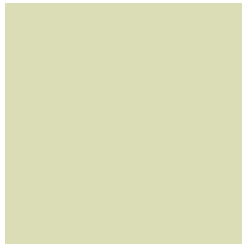
20, 99.940, 306.455



2, 29.665, 296.216

Previews

White Background



This preview shows how the CIELCh color 87, 19.744, 110.727 looks on a white background.

Color Contrast Check

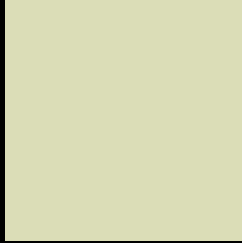
Large Text (above 18pt) WCAG AA × Fail

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 87, 19.744, 110.727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

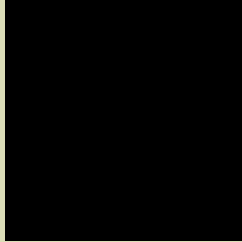
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

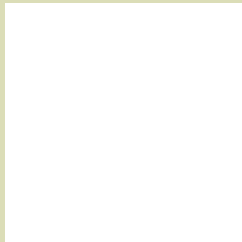
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 19.744, 110.727

Background



This preview shows how black text looks on a background with the CIELCh color 87, 19.744, 110.727.



This preview shows how white text looks on a background with the CIELCh color 87, 19.744, 110.727.

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](#).

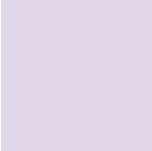
Dichromacy



Original Color
87, 19.744, 110.727

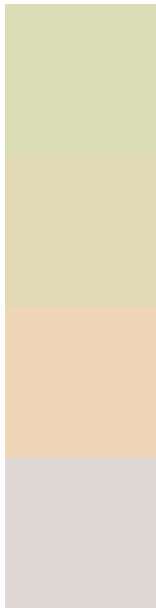
Protanopia
87, 19.402, 93.579

Deuteranopia
87, 20.444, 59.502



Tritanopia
87, 9.769, 314.320

Trichromacy



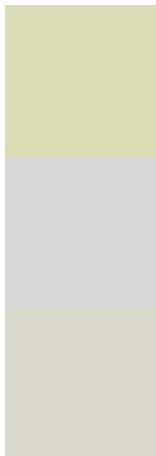
Original Color
87, 19.744, 110.727

Protanomaly
87, 18.974, 99.254

Deuteranomaly
87, 18.445, 77.199

Tritanomaly
87, 2.977, 51.079

Monochromacy



Original Color
87, 19.744, 110.727

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 7.313, 112.438

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 19.744, 110.727 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(219, 221, 183)` looks like.

```
.text, #text, p{  
    color:rgb(219, 221, 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(219, 221, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 221, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 19.744, 110.727 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(219, 221, 183) }
```

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

```
.border{ border-color:rgb(219, 221, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 221, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 221, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 221, 183);  
box-shadow:4px 4px 4px 4px rgb(219, 221,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 19.744, 110.727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 221, 183) }
```

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

```
.background{ background-color: rgb(219,  
221, 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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