

Converting Colors

CIELCh(87, 13.891, 89.982)

Have a look what the booklet for
CIELCh(87, 13.891, 89.982) contains.

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Color

CIELCh(87, 13.792, 89.793)

Conversions

Conversions Part 1

Format	Color
Hex	E5D9C0
RGB	229, 217, 192
RGB Percent	90%, 85%, 75%
CMY	0.1024, 0.1494, 0.2475
CMYK	0.00, 0.05, 0.16, 0.10
HSL	41°, 41%, 83%
HSV	41°, 16%, 90%
XYZ	66.5614, 70.0064, 59.8090
YIQ	217.7380, 15.1770, -5.2310

Conversions

Conversions Part 2

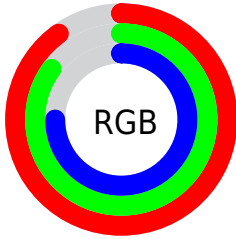
Format	Color
R _Y B	210, 229, 192
Decimal	15063488
CIE Lab	87.00, 0.05, 13.79
CIE LCh	87, 13.792, 89.793
Yxy	70.0064, 0.3389, 0.3565
Android (android.graphics.Color)	4293253568 (0xFFE5D9C0)
YUV	217.7380, -12.6888, 9.8768
Hunter-Lab	83.6698, -4.4211, 16.1871

Details

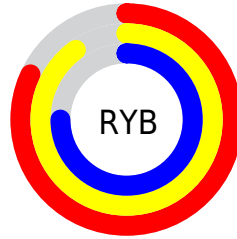
The CIELCh color $87, 13.792, 89.793$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $82, 13.775, 274.093$, and the grayscale version is $87, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 3.539, 109.892$, and $67, 13.409, 89.453$ is the 20% darker color. If you saturate the color by 10%, you get $85, 22.551, 88.499$, and if you desaturate by 10%, it is $89, 5.200, 91.040$.

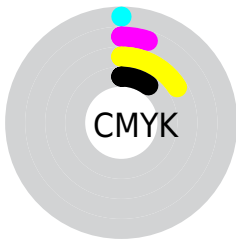
Distribution



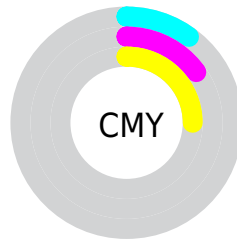
- Red (90%)
- Green (85%)
- Blue (75%)



- Red (82%)
- Yellow (90%)
- Blue (75%)



- Cyan (0%)
- Magenta (5%)
- Yellow (16%)
- Black (10%)



- Cyan (10%)
- Magenta (15%)
- Yellow (25%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 13.792, 89.793 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, 13.792, 89.793 by changing the saturation by 10% instead.

 87, 13.792, 89.793

 87, 13.792, 89.793

 100, 13.792,
89.793

 77, 13.792, 89.793

 67, 13.792, 89.793

 57, 13.792, 89.793

 47, 13.792, 89.793

 37, 13.792, 89.793

 27, 13.792, 89.793

 17, 13.792, 89.793

 7, 13.792, 89.793

 0, 13.792, 89.793

87, 13.792, 89.793

87, 13.792, 89.793

85, 22.551, 88.499

89, 5.200, 91.040

82, 31.444, 87.150

92, 3.221, 272.393

80, 40.401, 85.760

94, 8.807, 267.468

78, 49.276, 84.323

96, 7.332, 235.342

76, 57.793, 82.815

98, 8.552, 202.402

74, 65.465, 81.182

98, 8.891, 198.918

72, 71.531, 79.312

70, 75.130, 77.029

69, 76.084, 76.084

Harmonies

Complementary

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



87, 13.792, 89.793



82, 13.775, 274.093

Rectangle

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



87, 13.792, 89.793



87, 13.792, 139.793



87, 13.792, 269.793



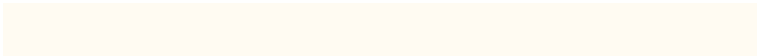
87, 13.792, 319.793

Sweetspot

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



87, 13.793, 89.803



99, 4.598, 91.170



81, 15.194, 355.258



52, 3.140, 91.090



0, 0.000, 0.000



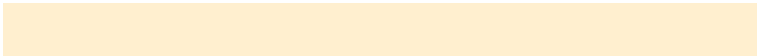
53, 0.007, 296.813

Same Dimension

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



87, 13.793, 89.803



95, 17.754, 89.423



90, 19.247, 115.534



47, 4.822, 90.645



55, 63.199, 76.581



15, 22.215, 79.445

Inverse Universe

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



82, 13.775, 274.093



88, 17.719, 274.559



79, 19.939, 298.003



45, 4.826, 273.115



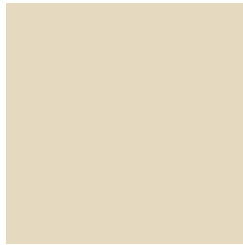
30, 75.732, 297.012



6, 25.748, 288.190

Previews

White Background



This preview shows how the CIELCh color 87, 13.792, 89.793 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, 13.792, 89.793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

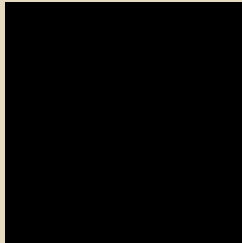
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

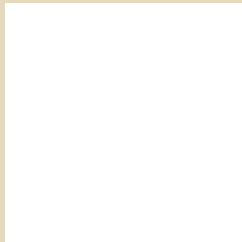
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 13.792, 89.793

Background



This preview shows how black text looks on a background with the CIELCh color 87, 13.792, 89.793.

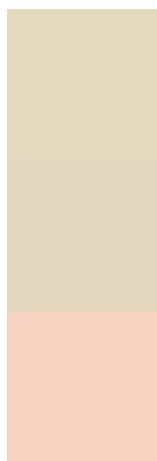


This preview shows how white text looks on a background with the CIELCh color 87, 13.792, 89.793.

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, 13.792, 89.793

Protanopia

87, 13.671, 91.306

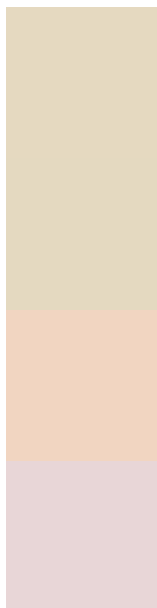
Deuteranopia

87, 17.149, 51.186



Tritanopia
87, 11.543, 333.803

Trichromacy



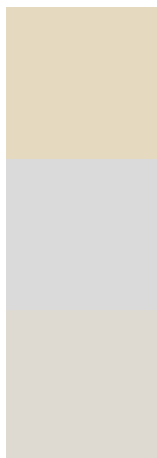
Original Color
87, 13.792, 89.793

Protanomaly
87, 13.671, 91.306

Deuteranomaly
87, 14.989, 63.743

Tritanomaly
87, 6.606, 15.285

Monochromacy



Original Color
87, 13.792, 89.793

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 4.900, 92.359

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 13.792, 89.793 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(229, 217, 192)` looks like.

```
.text, #text, p{  
    color:rgb(229, 217, 192)  
}
```

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(229, 217, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 217, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 13.792, 89.793 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(229, 217, 192) }
```

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

```
.border{ border-color:rgb(229, 217, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 217, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 217, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 217, 192);  
box-shadow:4px 4px 4px 4px rgb(229, 217,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 13.792, 89.793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 217, 192) }
```

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

```
.background{ background-color: rgb(229,  
217, 192) }
```

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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