

Converting Colors

CIELCh(87, 8.787, 69.978)

Have a look what the booklet for
CIELCh(87, 8.787, 69.978) contains.

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Color

CIELCh(87, 8.787, 69.978)

Conversions

Conversions Part 1	
Format	Color
Hex	E6D7CA
RGB	230, 215, 202
RGB Percent	90%, 84%, 79%
CMY	0.0963, 0.1551, 0.2061
CMYK	0.00, 0.07, 0.12, 0.10
HSL	28°, 36%, 85%
HSV	28°, 12%, 90%
XYZ	67.9009, 70.0064, 66.0806
YIQ	218.0030, 13.1130, -0.8630

Conversions

Conversions Part 2

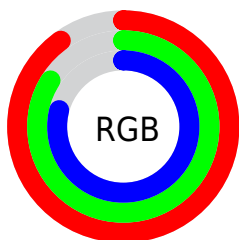
Format	Color
RYB	230, 226, 202
Decimal	15128522
CIELab	87.00, 3.01, 8.26
CIELCh	87, 8.787, 69.978
Yxy	70.0064, 0.3329, 0.3432
Android (android.graphics.Color)	4293318602 (0xFFE6D7CA)
YUV	218.0030, -7.8895, 10.5214
Hunter-Lab	83.6698, -1.5635, 11.7429

Details

The CIELCh color $87, 8.787, 69.978$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $86, 8.468, 253.089$, 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 $67, 8.642, 69.386$ is the 20% darker color. If you saturate the color by 10%, you get $83, 16.451, 68.834$, and if you desaturate by 10%, it is $91, 1.513, 70.929$.

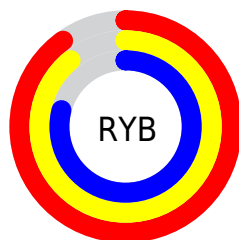
Distribution



Red (90%)

Green (84%)

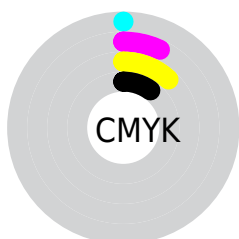
Blue (79%)



Red (90%)

Yellow (89%)

Blue (79%)

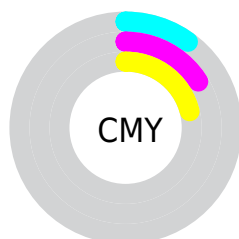


Cyan (0%)

Magenta (7%)

Yellow (12%)

Black (10%)



Cyan (10%)







Magenta (16%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 8.787, 69.978 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, 8.787, 69.978 by changing the saturation by 10% instead.

	87, 8.787, 69.978		87, 8.787, 69.978
	100, 8.787, 69.978		77, 8.787, 69.978
			67, 8.787, 69.978
			57, 8.787, 69.978
			47, 8.787, 69.978
			37, 8.787, 69.978
			27, 8.787, 69.978
			17, 8.787, 69.978
			7, 8.787, 69.978
			0, 8.787, 69.978

 87, 8.787, 69.978

 87, 8.787, 69.978

 83, 16.451, 68.834

 91, 1.513, 70.929

 80, 24.532, 67.657

 94, 5.410, 252.456

 76, 33.043, 66.480

 98, 7.593, 208.841

 73, 41.957, 65.306

 98, 8.373, 198.955

 70, 51.167, 64.112

 67, 60.412, 62.834

 64, 69.132, 61.318

 61, 76.320, 59.253

 59, 80.506, 57.176

Harmonies

Complementary

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



87, 8.787, 69.978



86, 8.468, 253.089

Rectangle

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



87, 8.787, 69.978



87, 8.787, 119.978



87, 8.787, 249.978



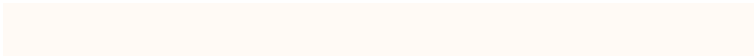
87, 8.787, 299.978

Sweetspot

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



87, 8.787, 69.995



98, 3.069, 70.847



84, 13.039, 342.003



52, 2.186, 70.783



0, 0.000, 0.000



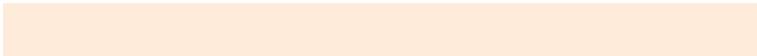
53, 0.007, 296.813

Same Dimension

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



87, 8.787, 69.995



94, 11.864, 69.659



90, 13.745, 106.876



46, 4.063, 70.299



47, 66.219, 57.859



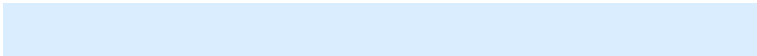
12, 20.963, 56.727

Inverse Universe

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



86, 8.468, 253.089



93, 11.315, 253.511



83, 14.095, 289.443



46, 3.952, 252.725



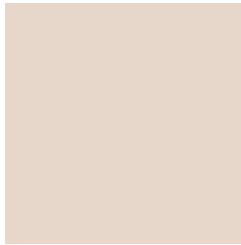
40, 51.300, 280.221



9, 18.613, 271.213

Previews

White Background



This preview shows how the CIELCh color 87, 8.787, 69.978 looks on a white background.

Color Contrast Check

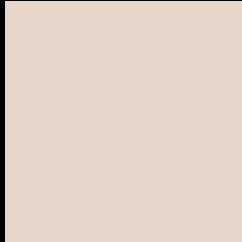
Large Text (above 18pt) WCAG AA × Fail

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, 8.787, 69.978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

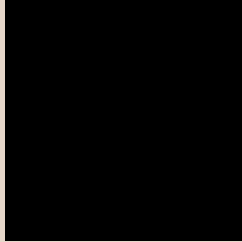
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

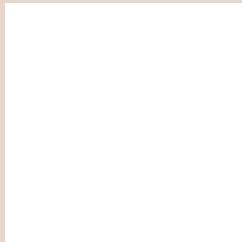
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 8.787, 69.978

Background



This preview shows how black text looks on a background with the CIELCh color 87, 8.787, 69.978.

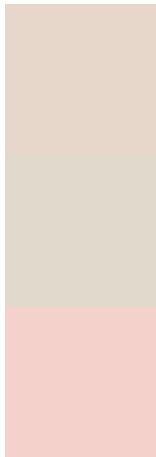


This preview shows how white text looks on a background with the CIELCh color 87, 8.787, 69.978.

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, 8.787, 69.978

Protanopia

87, 7.865, 87.359

Deuteranopia

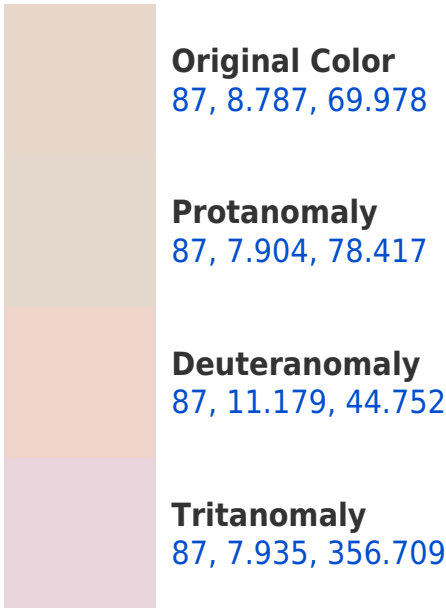
87, 13.329, 36.073



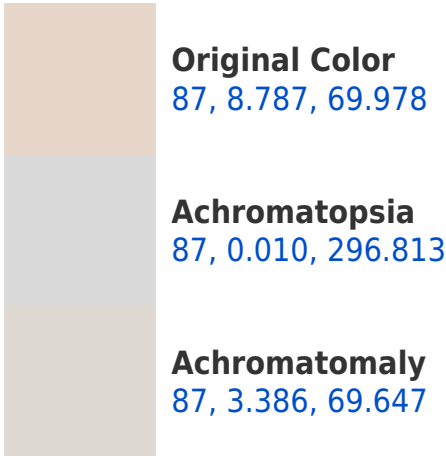
Tritanopia

87, 11.543, 333.803

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 8.787, 69.978 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(230, 215, 202)` looks like.

```
.text, #text, p{  
    color:rgb(230, 215, 202)  
}
```

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(230, 215, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 215, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 8.787, 69.978 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(230, 215, 202) }
```

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

```
.border{ border-color:rgb(230, 215, 202) }
```

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

Here you see how a box with a 4 pixel rgb(230, 215, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 215, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 215, 202);  
box-shadow:4px 4px 4px 4px rgb(230, 215,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 8.787, 69.978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 215, 202) }
```

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

```
.background{ background-color: rgb(230,  
215, 202) }
```

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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