

Converting Colors

CIELCh(87, 24.376, 108.031)

Have a look what the booklet for
CIELCh(87, 24.376, 108.031)
contains.

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Color

CIELCh(87, 24.355, 108.117)

Conversions

Conversions Part 1

Format	Color
Hex	DDDDAE
RGB	221, 221, 174
RGB Percent	87%, 87%, 68%
CMY	0.1341, 0.1340, 0.3183
CMYK	0.00, 0.00, 0.21, 0.13
HSL	60°, 41%, 77%
HSV	60°, 21%, 87%
XYZ	63.1916, 70.0064, 50.1347
YIQ	215.6420, 15.0870, -14.6170

Conversions

Conversions Part 2

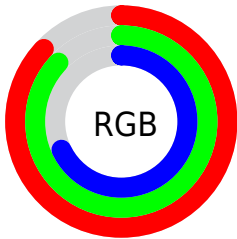
Format	Color
RYB	174, 221, 174
Decimal	14540206
CIELab	87.00, -7.57, 23.15
CIELCh	87, 24.355, 108.117
Yxy	70.0064, 0.3447, 0.3819
Android (android.graphics.Color)	4292730286 (0xFFDDDDAE)
YUV	215.6420, -20.5295, 4.6990
Hunter-Lab	83.6698, -11.6102, 23.0425

Details

The CIELCh color **87, 24.355, 108.117** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **72, 25.594, 292.618**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 12.652, 109.221**, and **67, 24.527, 107.602** is the 20% darker color. If you saturate the color by 10%, you get **87, 35.586, 107.156**, and if you desaturate by 10%, it is **87, 12.954, 109.092**.

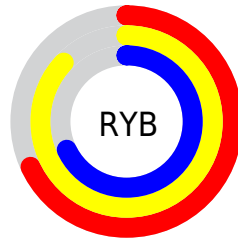
Distribution



Red (87%)

Green (87%)

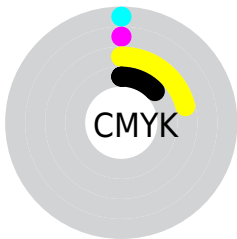
Blue (68%)



Red (68%)

Yellow (87%)

Blue (68%)

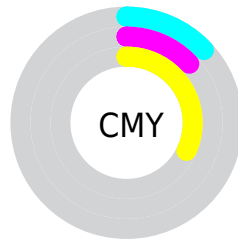


Cyan (0%)

Magenta (0%)

Yellow (21%)

Black (13%)



Cyan (13%)


Magenta (13%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 24.355, 108.117 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, 24.355, 108.117 by changing the saturation by 10% instead.


 87, 24.355,
108.117


 87, 24.355,
108.117


 100, 24.355,
108.117


 77, 24.355,
108.117

 67, 24.355,
108.117

 57, 24.355,
108.117

 47, 24.355,
108.117

 37, 24.355,
108.117

 27, 24.355,
108.117

 17, 24.355,

108.117

■ 7, 24.355, 108.117

■ 0, 24.355, 108.117

■ 87, 24.355,
108.117

■ 87, 24.355,
108.117

■ 87, 35.586,
107.156

■ 87, 12.954,
109.092

■ 86, 46.503,
106.217

■ 88, 1.466, 110.014

■ 86, 56.894,
105.330

■ 89, 10.048,
291.012

■ 86, 66.433,
104.526

■ 89, 17.829,
291.632

■ 86, 74.667,

■ 89, 17.829,
291.635

103.845

■ 89, 17.829,
291.638

■ 86, 81.050,
103.327

■ 89, 17.829,
291.641

■ 86, 85.114,
103.003

■ 89, 17.829,
291.644

■ 85, 86.928,
102.860

■ 89, 17.829,
291.648

Harmonies

Complementary

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



87, 24.355, 108.117



72, 25.594, 292.618

Rectangle

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



87, 24.355, 108.117



87, 24.355, 158.117



87, 24.355, 288.117



87, 24.355, 338.117

Sweetspot

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



87, 24.357, 108.122



100, 7.745, 109.594



75, 18.326, 20.960



53, 5.137, 109.531



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, 24.357, 108.122



99, 33.354, 107.644



85, 26.076, 128.097



46, 6.483, 109.270



69, 72.577, 102.860



18, 26.501, 104.169

Inverse Universe

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



72, 25.594, 292.618



79, 35.505, 293.313



74, 26.848, 310.070



42, 6.628, 291.162



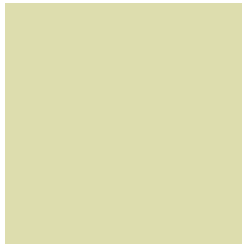
20, 100.215, 306.288



2, 29.602, 294.919

Previews

White Background



This preview shows how the CIELCh color 87, 24.355, 108.117 looks on a white background.

Color Contrast Check

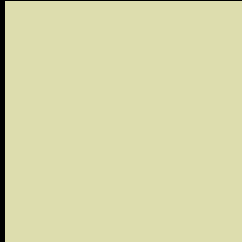
Large Text (above 18pt) WCAG AA × Fail

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, 24.355, 108.117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

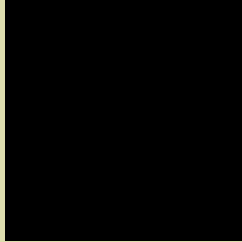
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

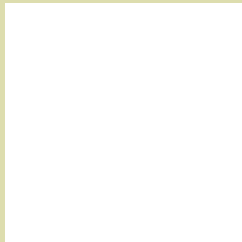
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 24.355, 108.117

Background



This preview shows how black text looks on a background with the CIELCh color 87, 24.355, 108.117.



This preview shows how white text looks on a background with the CIELCh color 87, 24.355, 108.117.

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, 24.355, 108.117

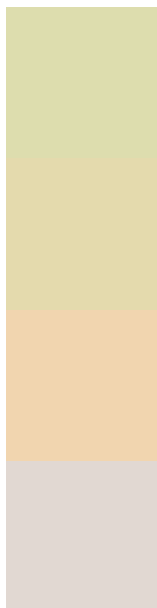
Protanopia
87, 24.132, 94.078

Deuteranopia
87, 24.684, 63.954



Tritanopia
87, 10.432, 321.543

Trichromacy



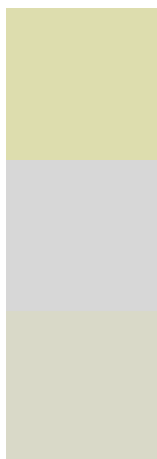
Original Color
87, 24.355, 108.117

Protanomaly
87, 23.700, 98.708

Deuteranomaly
87, 22.749, 79.559

Tritanomaly
87, 4.530, 63.111

Monochromacy



Original Color
87, 24.355, 108.117

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 8.871, 109.419

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 24.355, 108.117 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(221, 221, 174)` looks like.

```
.text, #text, p{  
    color:rgb(221, 221, 174)  
}
```

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(221, 221, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 221, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 24.355, 108.117 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(221, 221, 174) }
```

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

```
.border{ border-color:rgb(221, 221, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 221, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 221, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 221, 174);  
box-shadow:4px 4px 4px 4px rgb(221, 221,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 24.355, 108.117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 221, 174) }
```

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

```
.background{ background-color: rgb(221,  
221, 174) }
```

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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