

Converting Colors

CIELCh(87, 25.245, 105.761)

Have a look what the booklet for
CIELCh(87, 25.245, 105.761)
contains.

CIELCh(87, 24.909, 105.380)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(87, 24.909, 105.380)

Conversions

Conversions Part 1

Format	Color
Hex	DFDCAC
RGB	223, 220, 172
RGB Percent	87%, 86%, 67%
CMY	0.1246, 0.1364, 0.3247
CMYK	0.00, 0.01, 0.23, 0.12
HSL	56°, 45%, 78%
HSV	56°, 23%, 88%
XYZ	63.6126, 70.0064, 49.2927
YIQ	215.4250, 17.1960, -14.2920

Conversions

Conversions Part 2

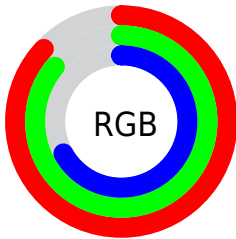
Format	Color
RYB	175, 223, 172
Decimal	14671020
CIELab	87.00, -6.61, 24.02
CIELCh	87, 24.909, 105.380
Yxy	70.0064, 0.3478, 0.3827
Android (android.graphics.Color)	4292861100 (0xFFDFDCAC)
YUV	215.4250, -21.4085, 6.6433
Hunter-Lab	83.6698, -10.7120, 23.6391

Details

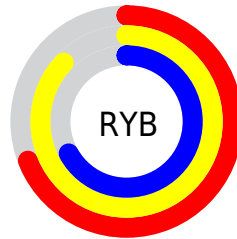
The CIELCh color **87, 24.909, 105.380** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **73, 26.109, 290.477**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 13.663, 109.145**, and **67, 25.099, 105.626** is the 20% darker color. If you saturate the color by 10%, you get **86, 35.649, 104.353**, and if you desaturate by 10%, it is **88, 14.036, 106.412**.

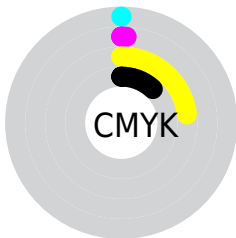
Distribution



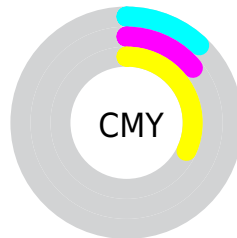
- Red (87%)
- Green (86%)
- Blue (67%)



- Red (69%)
- Yellow (87%)
- Blue (67%)



- Cyan (0%)
- Magenta (1%)
- Yellow (23%)
- Black (12%)



- Cyan (12%)
- Magenta (14%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 24.909, 105.380 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, 24.909, 105.380 by changing the saturation by 10% instead.

■ 87, 24.909,
105.380

■ 87, 24.909,
105.380

■ 100, 24.909,
105.380

■ 77, 24.909,
105.380

■ 67, 24.909,
105.380

■ 57, 24.909,
105.380

■ 47, 24.909,
105.380

■ 37, 24.909,
105.380

■ 27, 24.909,
105.380

■ 17, 24.909,

105.380

■ 7, 24.909, 105.380

■ 0, 24.909, 105.380

■ 87, 24.909,
105.380

■ 87, 24.909,
105.380

■ 86, 35.649,
104.353

■ 88, 14.036,
106.412

■ 86, 46.117,
103.335

■ 89, 3.108, 107.403

■ 85, 56.100,
102.352

■ 90, 7.822, 288.436

■ 84, 65.266,
101.429

■ 90, 15.356,
288.585

■ 84, 73.135,

■ 91, 14.682,
286.666

100.594

91, 14.026,
284.571

84, 79.112, 99.876

91, 13.390,
282.278

83, 82.679, 99.288

83, 83.934, 98.930

92, 12.778,
279.767

92, 12.193,
277.016

Harmonies

Complementary

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



87, 24.909, 105.380



73, 26.109, 290.477

Rectangle

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



87, 24.909, 105.380



87, 24.909, 155.380



87, 24.909, 285.380



87, 24.909, 335.380

Sweetspot

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



87, 24.911, 105.385



99, 8.516, 106.998



75, 19.893, 15.919



53, 5.534, 106.937



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, 24.911, 105.385



98, 32.736, 104.936



86, 27.799, 125.597



47, 6.229, 106.758



67, 70.312, 98.995



18, 26.417, 100.636

Inverse Universe

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



73, 26.109, 290.477



79, 34.665, 291.127



74, 28.823, 307.891



43, 6.352, 288.744



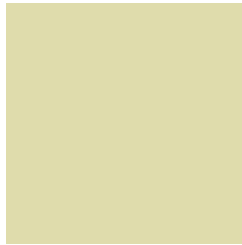
21, 98.598, 305.540



3, 30.342, 294.624

Previews

White Background



This preview shows how the CIELCh color 87, 24.909, 105.380 looks on a white background.

Color Contrast Check

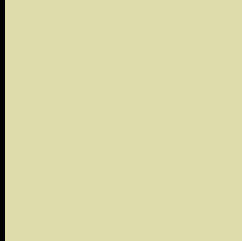
Large Text (above 18pt) WCAG AA × Fail

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, 24.909, 105.380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

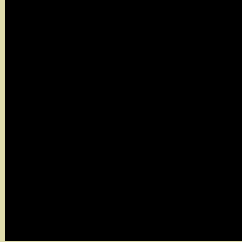
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

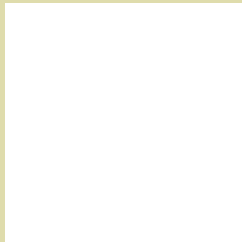
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 24.909, 105.380

Background



This preview shows how black text looks on a background with the CIELCh color 87, 24.909, 105.380.



This preview shows how white text looks on a background with the CIELCh color 87, 24.909, 105.380.

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](#).

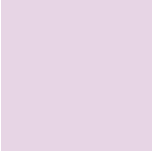
Dichromacy



Original Color
87, 24.909, 105.380

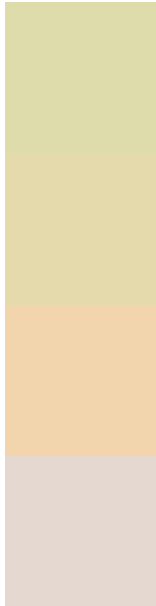
Protanopia
87, 24.635, 94.307

Deuteranopia
87, 25.763, 64.812



Tritanopia
87, 10.604, 328.036

Trichromacy



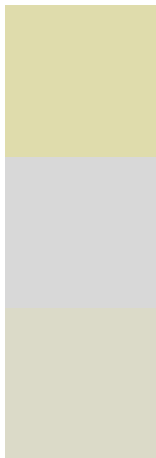
Original Color
87, 24.909, 105.380

Protanomaly
87, 24.785, 98.088

Deuteranomaly
87, 24.078, 78.953

Tritanomaly
87, 6.066, 62.922

Monochromacy



Original Color
87, 24.909, 105.380

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 9.388, 107.111

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 24.909, 105.380 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(223, 220, 172)` looks like.

```
.text, #text, p{  
    color:rgb(223, 220, 172)  
}
```

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(223, 220, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 220, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 24.909, 105.380 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(223, 220, 172) }
```

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

```
.border{ border-color:rgb(223, 220, 172) }
```

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

Here you see how a box with a 4 pixel rgb(223, 220, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 220, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 220, 172);  
box-shadow:4px 4px 4px 4px rgb(223, 220,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 24.909, 105.380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 220, 172) }
```

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

```
.background{ background-color: rgb(223,  
220, 172) }
```

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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