

Converting Colors

CIELCh(87, 25.616, 102.347)

Have a look what the booklet for
CIELCh(87, 25.616, 102.347)
contains.

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Color

CIELCh(87, 26.012, 102.804)

Conversions

Conversions Part 1

Format	Color
Hex	E2DCAA
RGB	226, 220, 170
RGB Percent	89%, 86%, 67%
CMY	0.1151, 0.1386, 0.3346
CMYK	0.00, 0.03, 0.25, 0.12
HSL	54°, 49%, 78%
HSV	54°, 25%, 88%
XYZ	63.9806, 70.0064, 48.0058
YIQ	216.0940, 19.6260, -14.2780

Conversions

Conversions Part 2

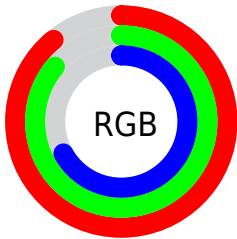
Format	Color
RYB	177, 226, 170
Decimal	14867626
CIELab	87.00, -5.76, 25.37
CIELCh	87, 26.012, 102.804
Yxy	70.0064, 0.3516, 0.3847
Android (android.graphics.Color)	4293057706 (0xFFE2DCAA)
YUV	216.0940, -22.7243, 8.6876
Hunter-Lab	83.6698, -9.9270, 24.5510

Details

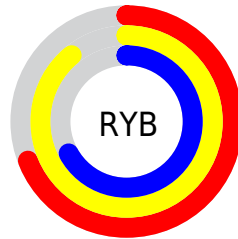
The CIELCh color $87, 26.012, 102.804$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $73, 27.200, 288.616$, and the grayscale version is $86, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 14.673, 109.069$, and $67, 25.707, 102.802$ is the 20% darker color. If you saturate the color by 10%, you get $86, 36.379, 101.716$, and if you desaturate by 10%, it is $88, 15.539, 103.890$.

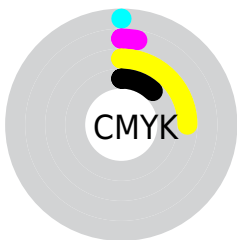
Distribution



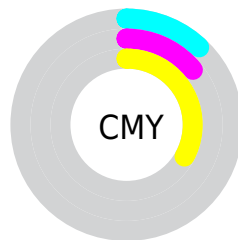
- Red (89%)
- Green (86%)
- Blue (67%)



- Red (69%)
- Yellow (89%)
- Blue (67%)



- Cyan (0%)
- Magenta (3%)
- Yellow (25%)
- Black (12%)




- Cyan (12%)
- Magenta (14%)
- Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 26.012, 102.804 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, 26.012, 102.804 by changing the saturation by 10% instead.


 87, 26.012,
102.804


 87, 26.012,
102.804


 100, 26.012,
102.804


 77, 26.012,
102.804

 67, 26.012,
102.804

 57, 26.012,
102.804

 47, 26.012,
102.804

 37, 26.012,
102.804

 27, 26.012,
102.804

 17, 26.012,

102.804

■ 7, 26.012, 102.804

■ 0, 26.012, 102.804

■ 87, 26.012,
102.804

■ 87, 26.012,
102.804

■ 86, 36.379,
101.716

■ 88, 15.539,
103.890

■ 85, 46.502,
100.627

■ 89, 5.035, 104.938

■ 84, 56.161, 99.558

■ 90, 5.449, 286.018

■ 83, 65.006, 98.527

■ 91, 13.344,
285.907

■ 83, 72.524, 97.551

■ 92, 12.173,
281.402

■ 82, 78.071, 96.642

■ 93, 11.092,
276.001

■ 81, 81.101, 95.790

■ 93, 10.129,
269.530

■ 81, 81.908, 95.360

■ 94, 9.319, 261.848

■ 95, 8.704, 252.928

Harmonies

Complementary

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



87, 26.012, 102.804



73, 27.200, 288.616

Rectangle

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



87, 26.012, 102.804



87, 26.012, 152.804



87, 26.012, 282.804



87, 26.012, 332.804

Sweetspot

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



87, 26.014, 102.809



99, 8.102, 104.710



75, 21.977, 12.266



53, 5.265, 104.647



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, 26.014, 102.809



96, 34.689, 102.220



87, 30.104, 123.613



47, 5.928, 104.460



64, 68.088, 95.494



17, 25.223, 97.621

Inverse Universe

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



73, 27.200, 288.616



77, 36.691, 289.482



73, 31.434, 306.303



43, 6.031, 286.529



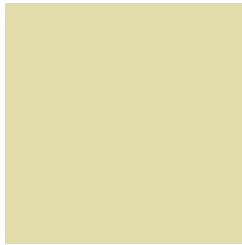
22, 95.927, 304.767



3, 29.292, 293.555

Previews

White Background



This preview shows how the CIELCh color 87, 26.012, 102.804 looks on a white background.

Color Contrast Check

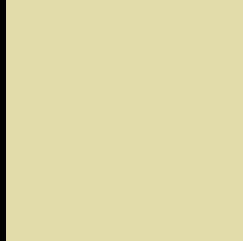
Large Text (above 18pt) WCAG AA × Fail

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, 26.012, 102.804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

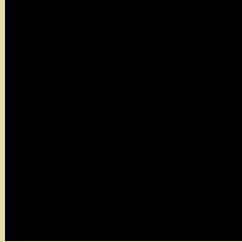
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

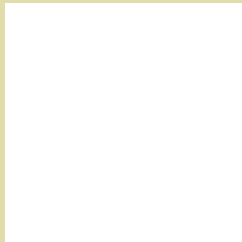
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 26.012, 102.804

Background



This preview shows how black text looks on a background with the CIELCh color 87, 26.012, 102.804.



This preview shows how white text looks on a background with the CIELCh color 87, 26.012, 102.804.

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, 26.012, 102.804

Protanopia

87, 25.641, 94.733

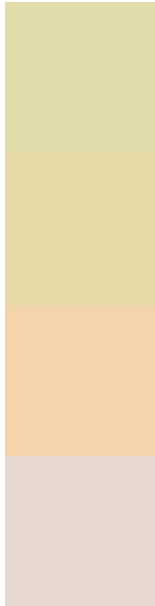
Deuteranopia

87, 26.565, 66.207



Tritanopia
87, 11.300, 332.446

Trichromacy



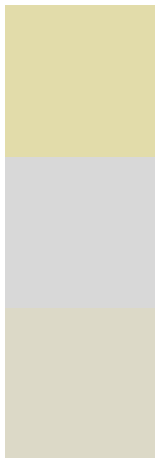
Original Color
87, 26.012, 102.804

Protanomaly
87, 25.872, 97.507

Deuteranomaly
87, 25.206, 79.174

Tritanomaly
87, 6.933, 56.575

Monochromacy



Original Color
87, 26.012, 102.804

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 9.448, 102.585

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 26.012, 102.804 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(226, 220, 170)` looks like.

```
.text, #text, p{  
    color:rgb(226, 220, 170)  
}
```

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(226, 220, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 220, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 26.012, 102.804 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(226, 220, 170) }
```

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

```
.border{ border-color:rgb(226, 220, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 220, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 220, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 220, 170);  
box-shadow:4px 4px 4px 4px rgb(226, 220,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 26.012, 102.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 220, 170) }
```

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

```
.background{ background-color: rgb(226,  
220, 170) }
```

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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