

Converting Colors

CIELCh(87, 24.494, 88.915)

Have a look what the booklet for
CIELCh(87, 24.494, 88.915) contains.

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Color

CIELCh(87, 24.372, 88.413)

Conversions

Conversions Part 1

Format	Color
Hex	EDD8AC
RGB	237, 216, 172
RGB Percent	93%, 85%, 67%
CMY	0.0711, 0.1534, 0.3259
CMYK	0.00, 0.09, 0.27, 0.07
HSL	41°, 64%, 80%
HSV	41°, 27%, 93%
XYZ	66.8429, 70.0064, 48.9606
YIQ	217.2630, 26.6400, -9.2320

Conversions

Conversions Part 2

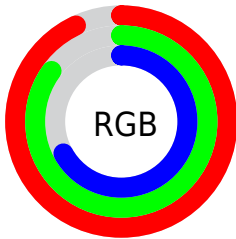
Format	Color
RYB	203, 237, 172
Decimal	15587500
CIELab	87.00, 0.67, 24.36
CIELCh	87, 24.372, 88.413
Yxy	70.0064, 0.3597, 0.3768
Android (android.graphics.Color)	4293777580 (0xFFEDD8AC)
YUV	217.2630, -22.3147, 17.3093
Hunter-Lab	83.6698, -3.8205, 23.8745

Details

The CIELCh color $87, 24.372, 88.413$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $78, 24.308, 276.106$, and the grayscale version is $87, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 13.663, 109.145$, and $67, 24.444, 88.545$ is the 20% darker color. If you saturate the color by 10%, you get $85, 33.538, 87.064$, and if you desaturate by 10%, it is $89, 15.339, 89.732$.

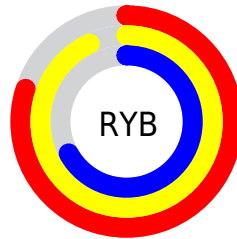
Distribution



Red (93%)

Green (85%)

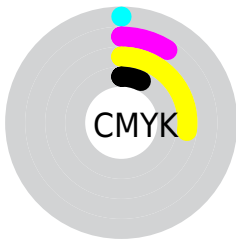
Blue (67%)



Red (80%)

Yellow (93%)

Blue (67%)

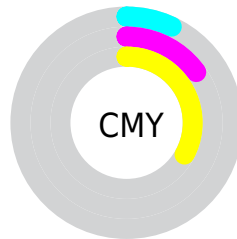


Cyan (0%)

Magenta (9%)

Yellow (27%)

Black (7%)



Cyan (7%)

Magenta (15%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 24.372, 88.413 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, 24.372, 88.413 by changing the saturation by 10% instead.

87, 24.372, 88.413

87, 24.372, 88.413

100, 24.372,
88.413

77, 24.372, 88.413

67, 24.372, 88.413

57, 24.372, 88.413

47, 24.372, 88.413

37, 24.372, 88.413

27, 24.372, 88.413

17, 24.372, 88.413

7, 24.372, 88.413

0, 24.372, 88.413

87, 24.372, 88.413

87, 24.372, 88.413

85, 33.538, 87.064

89, 15.339, 89.732

82, 42.751, 85.666

92, 6.470, 90.984

80, 51.849, 84.220

94, 2.222, 272.375

78, 60.520, 82.697

97, 5.418, 253.040

76, 68.222, 81.038

99, 5.932, 203.405

74, 74.136, 79.121

99, 6.220, 199.118

72, 77.449, 76.774

72, 78.083, 76.140

Harmonies

Complementary

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



87, 24.372, 88.413



78, 24.308, 276.106

Rectangle

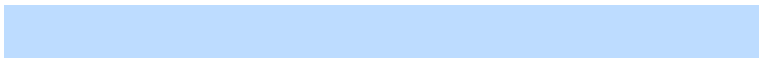
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 24.372, 88.413



87, 24.372, 138.413



87, 24.372, 268.413



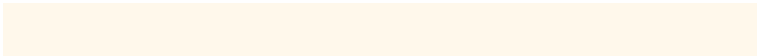
87, 24.372, 318.413

Sweetspot

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



87, 24.373, 88.419



98, 7.395, 90.913



77, 26.982, 356.633



52, 5.265, 90.728



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, 24.373, 88.419



91, 31.278, 87.652



92, 33.425, 114.701



48, 4.916, 90.738



56, 63.873, 76.664



16, 23.488, 79.515

Inverse Universe

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



78, 24.308, 276.106



80, 31.195, 277.214



73, 35.586, 299.114



46, 4.920, 273.212



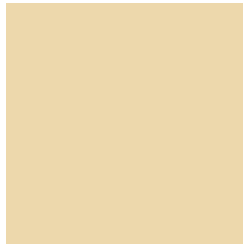
30, 76.762, 297.115



6, 27.207, 289.463

Previews

White Background



This preview shows how the CIELCh color 87, 24.372, 88.413 looks on a white background.

Color Contrast Check

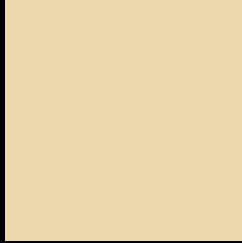
Large Text (above 18pt) WCAG AA × Fail

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, 24.372, 88.413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

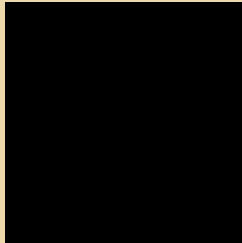
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 24.372, 88.413

Background



This preview shows how black text looks on a background with the CIELCh color 87, 24.372, 88.413.



This preview shows how white text looks on a background with the CIELCh color 87, 24.372, 88.413.

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, 24.372, 88.413

Protanopia

87, 24.016, 95.003

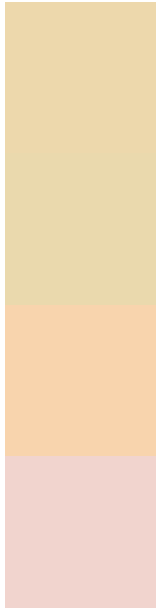
Deuteranopia

87, 26.162, 65.521



Tritanopia
87, 14.898, 346.475

Trichromacy



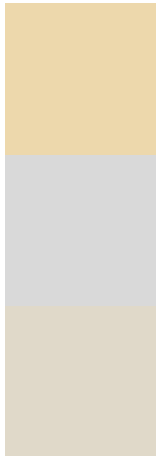
Original Color
87, 24.372, 88.413

Protanomaly
87, 23.844, 92.001

Deuteranomaly
87, 24.979, 73.683

Tritanomaly
87, 11.291, 36.122

Monochromacy



Original Color
87, 24.372, 88.413

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 8.727, 92.087

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 24.372, 88.413 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(237, 216, 172)` looks like.

```
.text, #text, p{  
    color:rgb(237, 216, 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(237, 216, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 216, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 24.372, 88.413 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(237, 216, 172) }
```

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

```
.border{ border-color:rgb(237, 216, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 216, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 216, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 216, 172);  
box-shadow:4px 4px 4px 4px rgb(237, 216,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 24.372, 88.413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 216, 172) }
```

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

```
.background{ background-color: rgb(237,  
216, 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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