

Converting Colors

CIELCh(87, 44.929, 98.310)

Have a look what the booklet for
CIELCh(87, 44.929, 98.310) contains.

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Color

CIELCh(87, 45.000, 98.483)

Conversions

Conversions Part 1

Format	Color
Hex	EADB84
RGB	234, 219, 132
RGB Percent	92%, 86%, 52%
CMY	0.0813, 0.1402, 0.4814
CMYK	0.00, 0.06, 0.44, 0.08
HSL	51°, 71%, 72%
HSV	51°, 44%, 92%
XYZ	63.5987, 70.0064, 32.0770
YIQ	213.5670, 36.8670, -23.8770

Conversions

Conversions Part 2

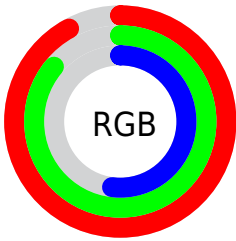
Format	Color
RYB	150, 234, 132
Decimal	15391620
CIELab	87.00, -6.64, 44.51
CIELCh	87, 45.000, 98.483
Yxy	70.0064, 0.3839, 0.4225
Android (android.graphics.Color)	4293581700 (0xFFEADB84)
YUV	213.5670, -40.2125, 17.9197
Hunter-Lab	83.6698, -10.7417, 35.8385

Details

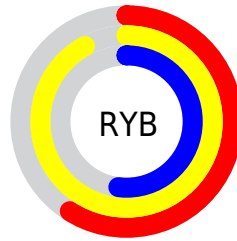
The CIELCh color **87, 45.000, 98.483** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **63, 48.633, 290.110**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 34.689, 107.535**, and **67, 45.125, 98.087** is the 20% darker color. If you saturate the color by 10%, you get **86, 54.800, 97.334**, and if you desaturate by 10%, it is **88, 34.826, 99.642**.

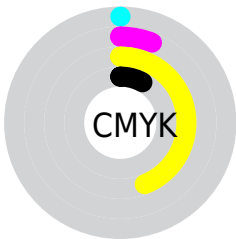
Distribution



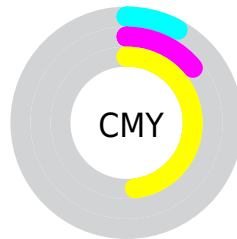
- Red (92%)
- Green (86%)
- Blue (52%)



- Red (59%)
- Yellow (92%)
- Blue (52%)



- Cyan (0%)
- Magenta (6%)
- Yellow (44%)
- Black (8%)



- Cyan (8%)
- Magenta (14%)
- Yellow (48%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 45.000, 98.483 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, 45.000, 98.483 by changing the saturation by 10% instead.

 87, 45.000, 98.483

 87, 45.000, 98.483

 100, 45.000,
98.483

 77, 45.000, 98.483

 67, 45.000, 98.483

 57, 45.000, 98.483

 47, 45.000, 98.483

 37, 45.000, 98.483

 27, 45.000, 98.483

 17, 45.000, 98.483

 7, 45.000, 98.483

 0, 45.000, 98.483

87, 45.000, 98.483

87, 45.000, 98.483

86, 54.800, 97.334

88, 34.826, 99.642

85, 63.894, 96.197

90, 24.475,
100.788

84, 71.777, 95.080

91, 14.067,
101.912

83, 77.768, 93.980

82, 81.208, 92.872

92, 3.669, 102.984

81, 82.222, 92.139

94, 6.678, 284.112

95, 7.952, 276.683

96, 6.676, 262.814

96, 5.941, 244.184

97, 5.943, 223.231

Harmonies

Complementary

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



87, 45.000, 98.483



63, 48.633, 290.110

Rectangle

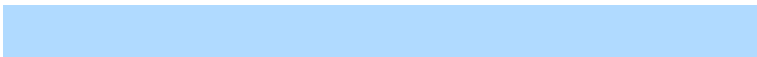
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 45.000, 98.483



87, 45.000, 148.483



87, 45.000, 278.483



87, 45.000, 328.483

Sweetspot

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



87, 45.001, 98.487



98, 14.455, 101.967



67, 41.676, 12.716



52, 10.119, 101.720



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, 45.001, 98.487



93, 57.097, 97.485



88, 53.389, 121.331



49, 5.898, 102.361



64, 67.885, 92.337



19, 26.898, 94.429

Inverse Universe

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



63, 48.633, 290.110



62, 63.230, 292.062



62, 58.245, 306.575



46, 5.987, 284.513



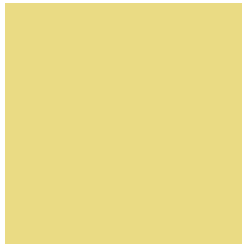
24, 95.152, 303.924



4, 32.104, 294.835

Previews

White Background



This preview shows how the CIELCh color 87, 45.000, 98.483 looks on a white background.

Color Contrast Check

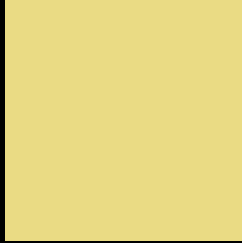
Large Text (above 18pt) WCAG AA × Fail

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, 45.000, 98.483 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, 45.000, 98.483

Background



This preview shows how black text looks on a background with the CIELCh color 87, 45.000, 98.483.



This preview shows how white text looks on a background with the CIELCh color 87, 45.000, 98.483.

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, 45.000, 98.483

Protanopia

87, 44.912, 95.811

Deuteranopia

87, 33.843, 75.069



Tritanopia
87, 15.521, 348.072

Trichromacy



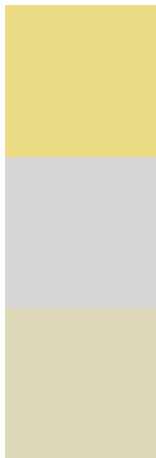
Original Color
87, 45.000, 98.483

Protanomaly
87, 44.830, 96.331

Deuteranomaly
87, 37.119, 85.231

Tritanomaly
87, 15.388, 65.040

Monochromacy



Original Color
87, 45.000, 98.483

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 16.789, 102.214

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 45.000, 98.483 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(234, 219, 132)` looks like.

```
.text, #text, p{  
    color:rgb(234, 219, 132)  
}
```

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(234, 219, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 219, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 45.000, 98.483 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(234, 219, 132) }
```

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

```
.border{ border-color:rgb(234, 219, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 219, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 219, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 219, 132);  
box-shadow:4px 4px 4px 4px rgb(234, 219,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 45.000, 98.483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 219, 132) }
```

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

```
.background{ background-color: rgb(234,  
219, 132) }
```

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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