

Converting Colors

CIELCh(87, 49.770, 98.624)

Have a look what the booklet for
CIELCh(87, 49.770, 98.624) contains.

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Color

CIELCh(87, 49.778, 98.784)

Conversions

Conversions Part 1

Format	Color
Hex	EBDC7B
RGB	235, 220, 123
RGB Percent	92%, 86%, 48%
CMY	0.0800, 0.1387, 0.5190
CMYK	0.00, 0.06, 0.48, 0.08
HSL	52°, 73%, 70%
HSV	52°, 48%, 92%
XYZ	63.1793, 70.0064, 28.8061
YIQ	213.4270, 40.0770, -26.9870

Conversions

Conversions Part 2

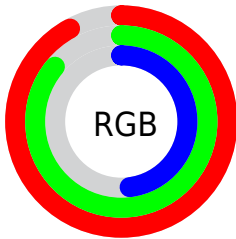
Format	Color
RYB	140, 235, 123
Decimal	15457403
CIELab	87.00, -7.60, 49.19
CIELCh	87, 49.778, 98.784
Yxy	70.0064, 0.3900, 0.4322
Android (android.graphics.Color)	4293647483 (0xFFEBDC7B)
YUV	213.4270, -44.5805, 18.9195
Hunter-Lab	83.6698, -11.6363, 38.1563

Details

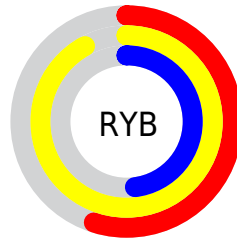
The CIELCh color **87, 49.778, 98.784** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **60, 54.660, 291.651**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 39.118, 107.193**, and **67, 49.739, 98.767** is the 20% darker color. If you saturate the color by 10%, you get **86, 59.406, 97.668**, and if you desaturate by 10%, it is **88, 39.630, 99.920**.

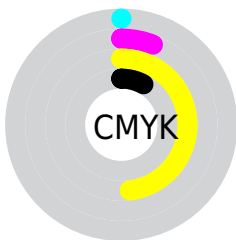
Distribution



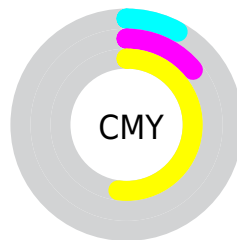
- Red (92%)
- Green (86%)
- Blue (48%)



- Red (55%)
- Yellow (92%)
- Blue (48%)



- Cyan (0%)
- Magenta (6%)
- Yellow (48%)
- Black (8%)



- Cyan (8%)
- Magenta (14%)
- Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 49.778, 98.784 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, 49.778, 98.784 by changing the saturation by 10% instead.

 87, 49.778, 98.784

 87, 49.778, 98.784

 100, 49.778,
98.784

 77, 49.778, 98.784

 67, 49.778, 98.784

 57, 49.778, 98.784

 47, 49.778, 98.784

 37, 49.778, 98.784

 27, 49.778, 98.784

 17, 49.778, 98.784

 7, 49.778, 98.784

 0, 49.778, 98.784

87, 49.778, 98.784

87, 49.778, 98.784

86, 59.406, 97.668

88, 39.630, 99.920

85, 68.109, 96.576

89, 29.213,
101.053

84, 75.301, 95.517

91, 18.681,
102.173

83, 80.281, 94.488

82, 82.609, 93.460

92, 8.124, 103.264

82, 82.951, 93.225

93, 2.406, 284.408

94, 8.592, 282.026

95, 7.246, 271.447

96, 6.246, 256.885

97, 5.769, 238.546

Harmonies

Complementary

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



87, 49.778, 98.784



60, 54.660, 291.651

Rectangle

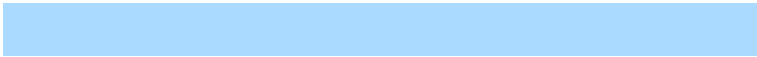
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 49.778, 98.784



87, 49.778, 148.784



87, 49.778, 278.784



87, 49.778, 328.784

Sweetspot

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



87, 49.779, 98.787



98, 15.784, 102.576



65, 46.026, 13.580



52, 10.900, 102.338



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, 49.779, 98.787



93, 62.817, 97.719



88, 58.262, 121.136



49, 5.980, 103.077



65, 68.408, 93.402



19, 27.214, 95.368

Inverse Universe

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



60, 54.660, 291.651



58, 71.144, 293.900



60, 64.213, 306.911



45, 6.076, 285.204



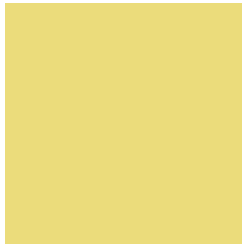
24, 96.200, 304.241



4, 32.429, 295.126

Previews

White Background



This preview shows how the CIELCh color 87, 49.778, 98.784 looks on a white background.

Color Contrast Check

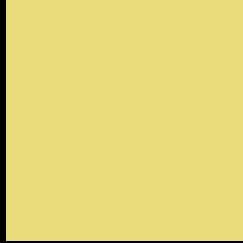
Large Text (above 18pt) WCAG AA × Fail

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, 49.778, 98.784 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, 49.778, 98.784

Background



This preview shows how black text looks on a background with the CIELCh color 87, 49.778, 98.784.



This preview shows how white text looks on a background with the CIELCh color 87, 49.778, 98.784.

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, 49.778, 98.784

Protanopia

87, 49.787, 95.856

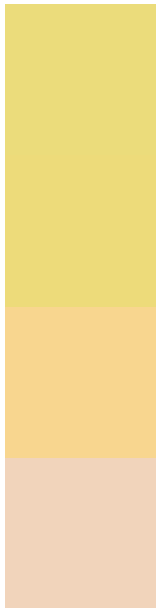
Deuteranopia

87, 34.743, 75.835



Tritanopia
87, 15.830, 348.824

Trichromacy



Original Color
87, 49.778, 98.784

Protanomaly
87, 50.002, 97.339

Deuteranomaly
87, 39.477, 86.301

Tritanomaly
87, 17.257, 68.638

Monochromacy



Original Color
87, 49.778, 98.784

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 18.398, 101.401

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 49.778, 98.784 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(235, 220, 123)` looks like.

```
.text, #text, p{  
    color:rgb(235, 220, 123)  
}
```

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(235, 220, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 220, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 49.778, 98.784 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(235, 220, 123) }
```

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

```
.border{ border-color:rgb(235, 220, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 220, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 220, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 220, 123); box-shadow:4px 4px 4px 4px rgb(235, 220, 123) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 49.778, 98.784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 220, 123) }
```

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

```
.background{ background-color: rgb(235,  
220, 123) }
```

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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