

Converting Colors

CIELCh(78, 41.301, 86.725)

Have a look what the booklet for
CIELCh(78, 41.301, 86.725) contains.

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Color

CIELCh(78, 41.175, 86.589)

Conversions

Conversions Part 1

Format	Color
Hex	DEBD74
RGB	222, 189, 116
RGB Percent	87%, 74%, 45%
CMY	0.1292, 0.2586, 0.5449
CMYK	0.00, 0.15, 0.48, 0.13
HSL	41°, 62%, 66%
HSV	41°, 48%, 87%
XYZ	51.4994, 53.2120, 24.0918
YIQ	190.5450, 43.1010, -15.7070

Conversions

Conversions Part 2

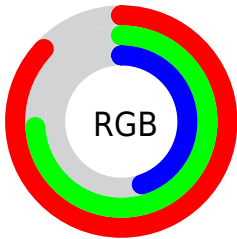
Format	Color
RYB	164, 222, 116
Decimal	14597492
CIELab	78.00, 2.45, 41.10
CIELCh	78, 41.175, 86.589
Yxy	53.2120, 0.3998, 0.4131
Android (android.graphics.Color)	4292787572 (0xFFDEBD74)
YUV	190.5450, -36.7507, 27.5860
Hunter-Lab	72.9466, -1.6376, 31.4811

Details

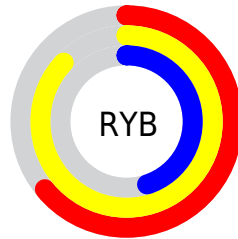
The CIELCh color **78, 41.175, 86.589** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **62, 41.538, 281.348**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 38.600, 101.314**, and **58, 41.130, 86.479** is the 20% darker color. If you saturate the color by 10%, you get **76, 49.823, 85.163**, and if you desaturate by 10%, it is **80, 32.391, 87.976**.

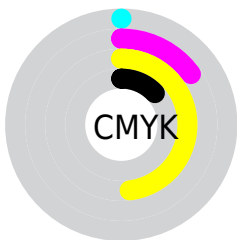
Distribution



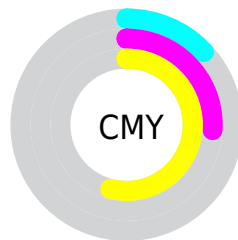
- Red (87%)
- Green (74%)
- Blue (45%)



- Red (64%)
- Yellow (87%)
- Blue (45%)



- Cyan (0%)
- Magenta (15%)
- Yellow (48%)
- Black (13%)



- Cyan (13%)
- Magenta (26%)
- Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 41.175, 86.589 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 78, 41.175, 86.589 by changing the saturation by 10% instead.

 78, 41.175, 86.589

 78, 41.175, 86.589

 100, 41.175,
86.589

 68, 41.175, 86.589

 98, 41.175, 86.589

 58, 41.175, 86.589

 48, 41.175, 86.589


 38, 41.175, 86.589


 28, 41.175, 86.589

 18, 41.175, 86.589

 8, 41.175, 86.589

 0, 41.175, 86.589

 78, 41.175, 86.589

 78, 41.175, 86.589

76, 49.823, 85.163

80, 32.391, 87.976

74, 58.032, 83.661

82, 23.630, 89.319

72, 65.285, 82.031

84, 14.977, 90.620

70, 70.812, 80.161

87, 6.468, 91.863

69, 73.905, 77.900

89, 1.884, 273.249

68, 74.460, 77.371

91, 10.078,
274.313

93, 10.336,
260.742

95, 9.202, 235.682

97, 10.009,
209.935

Harmonies

Complementary

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



78, 41.175, 86.589



62, 41.538, 281.348

Rectangle

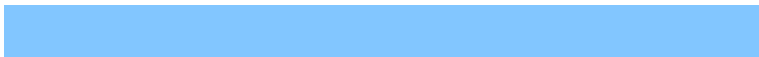
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78, 41.175, 86.589



78, 41.175, 136.589



78, 41.175, 266.589



78, 41.175, 316.589

Sweetspot

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



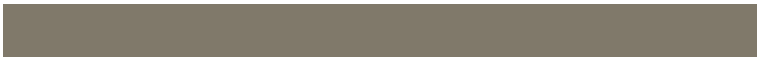
78, 41.176, 86.593



96, 13.178, 91.080



62, 44.870, 1.038



51, 9.117, 90.805



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



78, 41.176, 86.593



86, 55.032, 85.206



85, 54.157, 114.051



46, 4.795, 91.657



55, 62.619, 77.825



14, 21.116, 80.784

Inverse Universe

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



62, 41.538, 281.348



65, 56.094, 283.958



55, 61.059, 302.010



44, 4.805, 274.100



29, 76.346, 297.658



5, 24.660, 287.550

Previews

White Background



This preview shows how the CIELCh color 78, 41.175, 86.589 looks on a white background.

Color Contrast Check

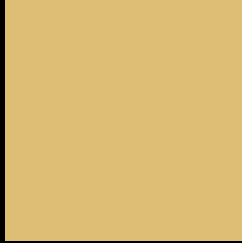
Large Text (above 18pt) WCAG AA × Fail

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 78, 41.175, 86.589 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 78, 41.175, 86.589

Background



This preview shows how black text looks on a background with the CIELCh color 78, 41.175, 86.589.



This preview shows how white text looks on a background with the CIELCh color 78, 41.175, 86.589.

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

78, 41.175, 86.589

Protanopia

78, 40.150, 95.594

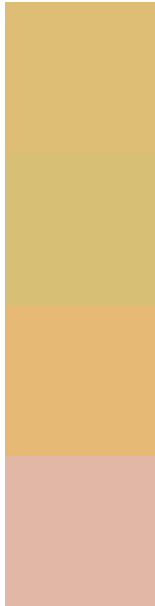
Deuteranopia

78, 41.971, 76.135



Tritanopia
78, 20.230, 359.619

Trichromacy



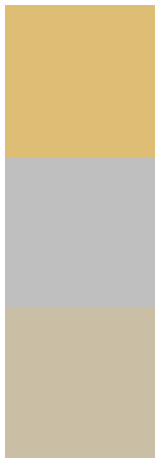
Original Color
78, 41.175, 86.589

Protanomaly
78, 40.683, 92.636

Deuteranomaly
78, 41.449, 79.747

Tritanomaly
78, 19.847, 47.559

Monochromacy



Original Color
78, 41.175, 86.589

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 14.658, 90.145

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 41.175, 86.589 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(222, 189, 116)` looks like.

```
.text, #text, p{  
    color:rgb(222, 189, 116)  
}
```

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(222, 189, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 189, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 41.175, 86.589 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(222, 189, 116) }
```

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

```
.border{ border-color:rgb(222, 189, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 189, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 189, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 189, 116);  
box-shadow:4px 4px 4px 4px rgb(222, 189,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 41.175, 86.589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 189, 116) }
```

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

```
.background{ background-color: rgb(222,  
189, 116) }
```

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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