

Converting Colors

CIELCh(89, 37.023, 83.451)

Have a look what the booklet for
CIELCh(89, 37.023, 83.451) contains.

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Color

CIELCh(89, 36.786, 83.959)

Conversions

Conversions Part 1

Format	Color
Hex	FFDB9A
RGB	255, 219, 154
RGB Percent	100%, 86%, 60%
CMY	0.0005, 0.1416, 0.3965
CMYK	0.00, 0.14, 0.40, 0.00
HSL	39°, 100%, 80%
HSV	39°, 40%, 100%
XYZ	72.3152, 74.1641, 41.0249
YIQ	222.3540, 42.3210, -12.5830

Conversions

Conversions Part 2

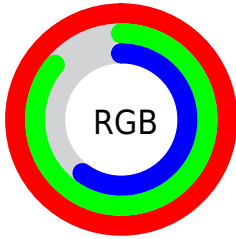
Format	Color
R _Y B	210, 255, 154
Decimal	16767898
CIE Lab	89.00, 3.87, 36.58
CIE LCh	89, 36.786, 83.959
Yxy	74.1641, 0.3857, 0.3955
Android (android.graphics.Color)	4294957978 (0xFFFFDB9A)
YUV	222.3540, -33.6985, 28.6305
Hunter-Lab	86.1186, -0.8182, 32.0386

Details

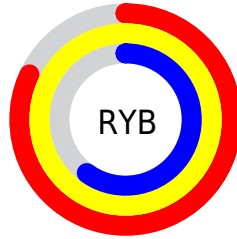
The CIELCh color **89, 36.786, 83.959** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **77, 36.071, 276.057**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 23.230, 108.417**, and **69, 36.792, 83.605** is the 20% darker color. If you saturate the color by 10%, you get **86, 46.452, 82.532**, and if you desaturate by 10%, it is **92, 27.209, 85.352**.

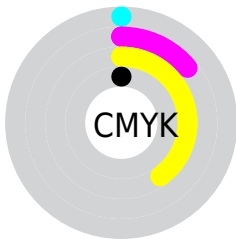
Distribution



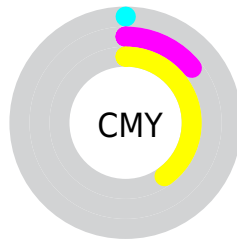
- Red (100%)
- Green (86%)
- Blue (60%)



- Red (82%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (14%)
- Yellow (40%)
- Black (0%)



- Cyan (0%)
- Magenta (14%)
- Yellow (40%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 36.786, 83.959 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 89, 36.786, 83.959 by changing the saturation by 10% instead.

 89, 36.786, 83.959

 89, 36.786, 83.959

 100, 36.786,
83.959

 79, 36.786, 83.959

 69, 36.786, 83.959

 59, 36.786, 83.959

 49, 36.786, 83.959

 39, 36.786, 83.959

 29, 36.786, 83.959

 19, 36.786, 83.959

 9, 36.786, 83.959

 0, 36.786, 83.959

89, 36.786, 83.959

89, 36.786, 83.959

86, 46.452, 82.532

92, 27.209, 85.352

84, 56.019, 81.041

94, 17.809, 86.698

81, 65.127, 79.452

97, 8.622, 87.989

79, 73.139, 77.677

100, 0.045,
214.240

77, 79.105, 75.552

75, 82.375, 72.910

75, 82.483, 72.809

Harmonies

Complementary

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



89, 36.786, 83.959



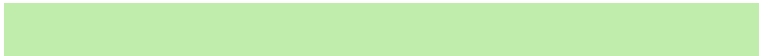
77, 36.071, 276.057

Rectangle

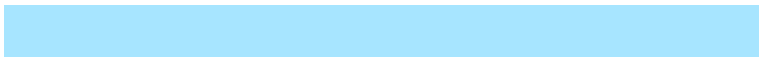
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 36.786, 83.959



89, 36.786, 133.959



89, 36.786, 263.959



89, 36.786, 313.959

Sweetspot

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



89, 36.787, 83.964



97, 10.791, 87.688



75, 42.347, 356.143



51, 7.170, 87.521



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 36.787, 83.964



87, 44.903, 82.767



97, 50.521, 112.350



52, 5.096, 88.003



57, 66.448, 73.392



19, 27.808, 76.141

Inverse Universe

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



77, 36.071, 276.057



72, 43.974, 278.127



68, 55.802, 299.517



50, 5.081, 270.545



34, 76.089, 295.356



9, 30.519, 290.017

Previews

White Background



This preview shows how the CIELCh color 89, 36.786, 83.959 looks on a white background.

Color Contrast Check

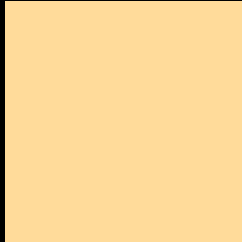
Large Text (above 18pt) WCAG AA × Fail

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 89, 36.786, 83.959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

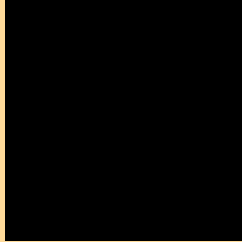
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 36.786, 83.959

Background



This preview shows how black text looks on a background with the CIELCh color 89, 36.786, 83.959.



This preview shows how white text looks on a background with the CIELCh color 89, 36.786, 83.959.

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

89, 36.786, 83.959

Protanopia

89, 35.732, 95.590

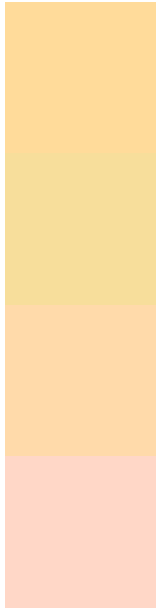
Deuteranopia

89, 24.904, 71.676



Tritanopia
89, 16.538, 358.593

Trichromacy



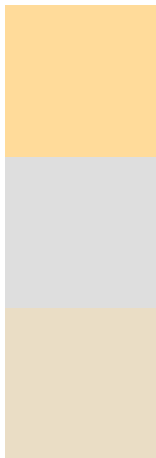
Original Color
89, 36.786, 83.959

Protanomaly
89, 36.027, 91.033

Deuteranomaly
89, 29.082, 77.683

Tritanomaly
89, 17.452, 48.540

Monochromacy



Original Color
89, 36.786, 83.959

Achromatopsia
88, 0.011, 296.813

Achromatomaly
89, 13.387, 87.628

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 36.786, 83.959 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(255, 219, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 154)  
}
```

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(255, 219, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 36.786, 83.959 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(255, 219, 154) }
```

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

```
.border{ border-color:rgb(255, 219, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 219, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 36.786, 83.959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 154) }
```

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

```
.background{ background-color: rgb(255,  
219, 154) }
```

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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