

# Converting Colors

CIELCh(89, 16.446, 40.880)

Have a look what the booklet for  
CIELCh(89, 16.446, 40.880) contains.

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# Color

**CIELCh(89, 16.225, 40.841)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFD7CC
RGB	255, 215, 204
RGB Percent	100%, 84%, 80%
CMY	0.0003, 0.1571, 0.2003
CMYK	0.00, 0.16, 0.20, 0.00
HSL	13°, 100%, 90%
HSV	13°, 20%, 100%
XYZ	76.3831, 74.1641, 67.3693
YIQ	225.7060, 27.3710, 5.0590

# Conversions

## Conversions Part 2

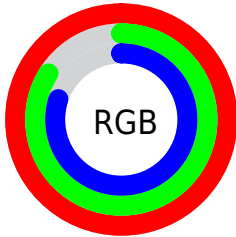
Format	Color
R <sub>Y</sub> B	255, 218, 204
Decimal	16766924
CIE Lab	89.00, 12.27, 10.61
CIE LCh	89, 16.225, 40.841
Yxy	74.1641, 0.3505, 0.3403
Android (android.graphics.Color)	4294957004 (0xFFFFD7CC)
YUV	225.7060, -10.7011, 25.6908
Hunter-Lab	86.1186, 7.6135, 13.9013

# Details

The CIELCh color **89, 16.225, 40.841** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **94, 14.223, 222.272**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 16.344, 40.040** is the 20% darker color. If you saturate the color by 10%, you get **84, 25.378, 40.820**, and if you desaturate by 10%, it is **94, 7.784, 40.978**.

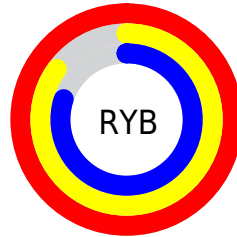
# Distribution



Red (100%)

Green (84%)

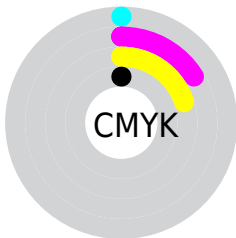
Blue (80%)



Red (100%)

Yellow (85%)

Blue (80%)

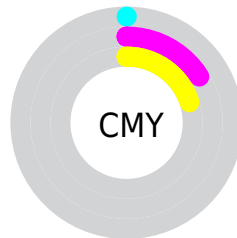


Cyan (0%)

Magenta (16%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (20%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 16.225, 40.841 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, 16.225, 40.841 by changing the saturation by 10% instead.



 89, 16.225, 40.841

 89, 16.225, 40.841

 100, 16.225,  
40.841

 79, 16.225, 40.841

 69, 16.225, 40.841

 59, 16.225, 40.841

 49, 16.225, 40.841

 39, 16.225, 40.841

 29, 16.225, 40.841

 19, 16.225, 40.841

 9, 16.225, 40.841

 0, 16.225, 40.841

89, 16.225, 40.841

89, 16.225, 40.841

84, 25.378, 40.820

94, 7.784, 40.978

79, 35.285, 40.942

100, 0.011,  
313.567

74, 45.944, 41.257

100, 0.028,  
224.043

69, 57.279, 41.789

65, 69.081, 42.523

61, 80.849, 43.331

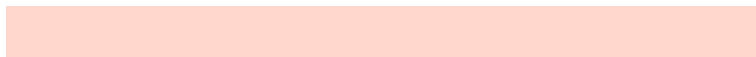
58, 91.450, 43.828

56, 99.203, 43.510

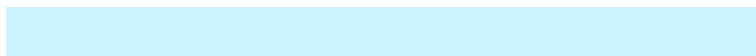
# Harmonies

# Complementary

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



89, 16.225, 40.841



94, 14.223, 222.272

# Rectangle

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



89, 16.225, 40.841



89, 16.225, 90.841



89, 16.225, 220.841



89, 16.225, 270.841

# Sweetspot

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



89, 16.224, 40.851



97, 4.593, 41.017



87, 27.870, 331.796



51, 3.055, 41.014



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

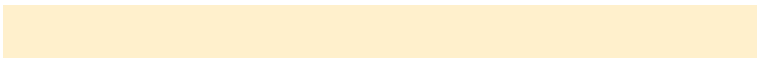
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 16.224, 40.851



87, 19.798, 40.823



95, 19.137, 91.177



50, 4.416, 40.985



42, 79.453, 43.946



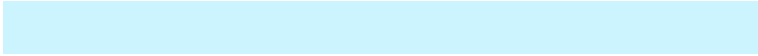
12, 29.748, 38.097



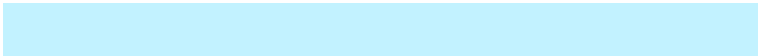


# Inverse Universe

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



94, 14.223, 222.272



93, 16.852, 222.534



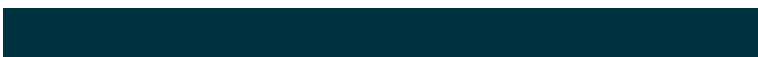
87, 19.201, 276.533



52, 4.163, 221.762



58, 35.735, 239.104

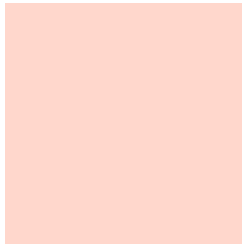


19, 16.213, 233.446



# Previews

## White Background



This preview shows how the CIELCh color 89, 16.225, 40.841 looks on a white background.

## Color Contrast Check

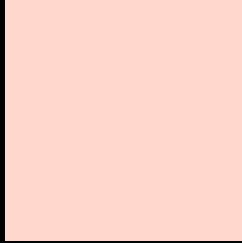
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 89, 16.225, 40.841 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

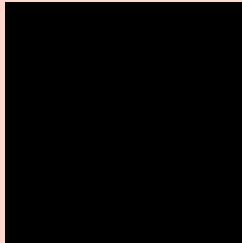
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 89, 16.225, 40.841**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 89, 16.225, 40.841.

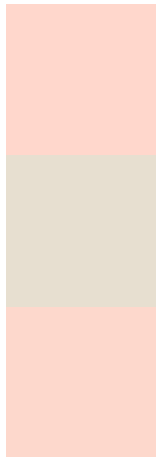


This preview shows how white text looks on a background with the CIELCh color 89, 16.225, 40.841.

# 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, 16.225, 40.841

### Protanopia

89, 8.309, 88.667

### Deuteranopia

89, 15.354, 44.053



**Tritanopia**  
89, 16.913, 355.303



# Trichromacy



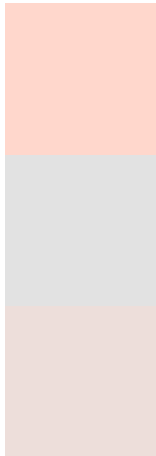
**Original Color**  
89, 16.225, 40.841

**Protanomaly**  
89, 10.058, 61.733

**Deuteranomaly**  
89, 15.710, 43.502

**Tritanomaly**  
89, 15.334, 10.833

# Monochromacy



**Original Color**  
89, 16.225, 40.841

**Achromatopsia**  
90, 0.011, 296.813

**Achromatomaly**  
90, 5.847, 40.405

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 89, 16.225, 40.841 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, 215, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 204)  
}
```

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, 215, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 204) }
```

## Border

The CSS property to change the border of an element to CIELCh 89, 16.225, 40.841 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, 215, 204) }
```

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

```
.border{ border-color:rgb(255, 215, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 215, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
204) }
```

# Background

The CSS property to change the background color of an element to CIELCh 89, 16.225, 40.841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 204) }
```

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

```
.background{ background-color: rgb(255,  
215, 204) }
```

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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