

Converting Colors

CIELCh(90, 22.464, 35.800)

Have a look what the booklet for
CIELCh(90, 22.464, 35.800) contains.

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Color

CIELCh(89, 16.992, 39.964)

Conversions

Conversions Part 1

Format	Color
Hex	FFD6CB
RGB	255, 214, 203
RGB Percent	100%, 84%, 80%
CMY	0.0000, 0.1592, 0.2024
CMYK	0.00, 0.16, 0.20, 0.00
HSL	13°, 100%, 90%
HSV	13°, 20%, 100%
XYZ	76.7528, 74.1641, 67.0100
YIQ	225.0050, 27.9670, 5.2710

Conversions

Conversions Part 2

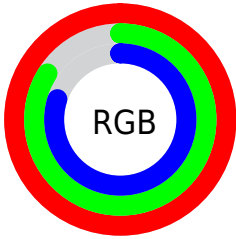
Format	Color
R _Y B	255, 217, 203
Decimal	16766667
CIE Lab	89.00, 13.02, 10.91
CIE LCh	89, 16.992, 39.964
Yxy	74.1641, 0.3522, 0.3403
Android (android.graphics.Color)	4294956747 (0xFFFFD6CB)
YUV	225.0050, -10.8485, 26.3056
Hunter-Lab	86.1186, 8.3798, 14.1487

Details

The CIELCh color **89, 16.992, 39.964** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **94, 14.397, 221.996**, 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, 16.760, 39.597** is the 20% darker color. If you saturate the color by 10%, you get **84, 25.642, 40.591**, and if you desaturate by 10%, it is **94, 7.987, 40.720**.

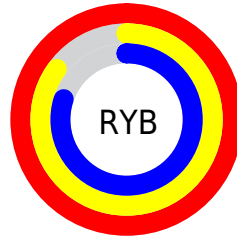
Distribution



Red (100%)

Green (84%)

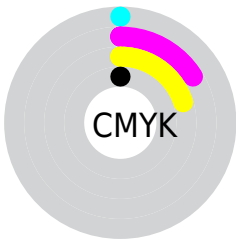
Blue (80%)



Red (100%)

Yellow (85%)

Blue (80%)

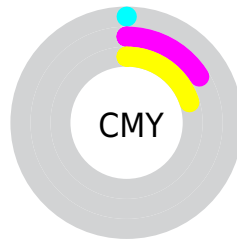


Cyan (0%)

Magenta (16%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (20%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 16.992, 39.964 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, 16.992, 39.964 by changing the saturation by 10% instead.

 89, 16.992, 39.964

 89, 16.992, 39.964

 100, 16.992,
39.964

 79, 16.992, 39.964

 69, 16.992, 39.964


 59, 16.992, 39.964


 49, 16.992, 39.964

 39, 16.992, 39.964

 29, 16.992, 39.964

 19, 16.992, 39.964

 9, 16.992, 39.964

 0, 16.992, 39.964

89, 16.992, 39.964

89, 16.992, 39.964

84, 25.642, 40.591

94, 7.987, 40.720

78, 35.582, 40.732

100, 0.178, 37.413

74, 46.274, 41.069

100, 0.012,
296.813

69, 57.641, 41.626

65, 69.464, 42.387

61, 81.233, 43.221

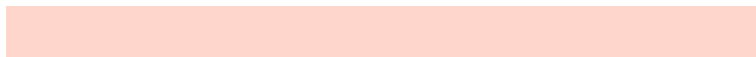
58, 91.793, 43.731

56, 99.322, 43.439

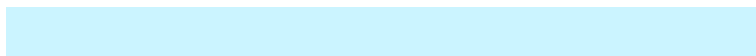
Harmonies

Complementary

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



89, 16.992, 39.964



94, 14.397, 221.996

Rectangle

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



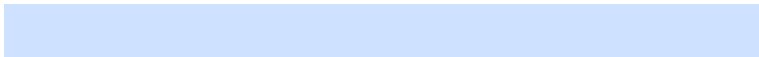
89, 16.992, 39.964



89, 16.992, 89.964



89, 16.992, 219.964



89, 16.992, 269.964

Sweetspot

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



89, 16.456, 40.606



97, 4.598, 40.757



87, 28.208, 331.811



51, 3.058, 40.755



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, 16.456, 40.606



87, 19.822, 40.585



95, 19.372, 91.147



50, 4.421, 40.729



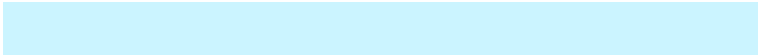
42, 79.532, 43.871



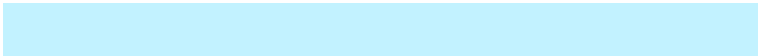
12, 29.781, 37.962

Inverse Universe

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



94, 14.397, 221.996



93, 16.867, 222.239



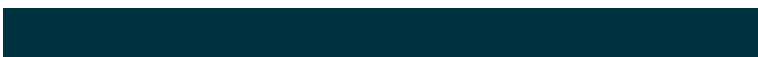
87, 19.437, 276.572



52, 4.167, 221.485



58, 35.680, 238.614



19, 16.201, 233.010

Previews

White Background



This preview shows how the CIELCh color 89, 16.992, 39.964 looks on a white background.

Color Contrast Check

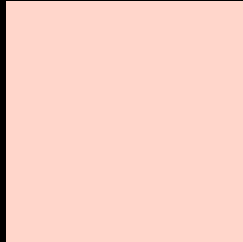
Large Text (above 18pt) WCAG AA × Fail

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, 16.992, 39.964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

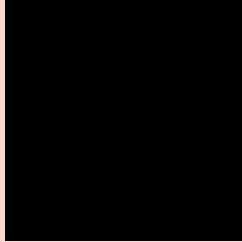
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 16.992, 39.964

Background



This preview shows how black text looks on a background with the CIELCh color 89, 16.992, 39.964.

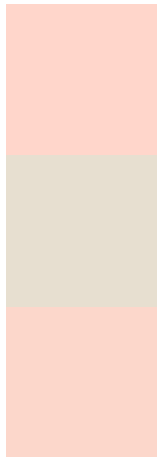


This preview shows how white text looks on a background with the CIELCh color 89, 16.992, 39.964.

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, 16.607, 40.392

Protanopia

89, 8.309, 88.667

Deuteranopia

89, 15.370, 44.051



Tritanopia
89, 17.464, 354.310

Trichromacy



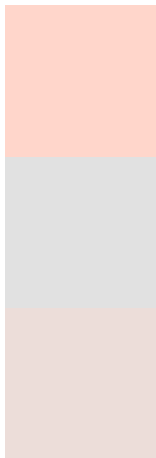
Original Color
89, 16.607, 40.392

Protanomaly
89, 10.424, 63.772

Deuteranomaly
89, 15.726, 43.500

Tritanomaly
89, 15.720, 11.104

Monochromacy



Original Color
89, 16.607, 40.392

Achromatopsia
90, 0.011, 296.813

Achromatomaly
89, 5.852, 40.405

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 16.992, 39.964 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, 214, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 214, 203)  
}
```

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, 214, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 214, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 16.992, 39.964 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, 214, 203) }
```

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

```
.border{ border-color:rgb(255, 214, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 214, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 214, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 214, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 214,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 16.992, 39.964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 214, 203) }
```

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

```
.background{ background-color: rgb(255,  
214, 203) }
```

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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