

Converting Colors

CIELCh(89, 20.000, 342.014)

Have a look what the booklet for
CIELCh(89, 20.000, 342.014)
contains.

CIELCh(89, 19.833, 342.014)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(89, 19.833, 342.014)

Conversions

Conversions Part 1

Format	Color
Hex	FFD4EC
RGB	255, 212, 236
RGB Percent	100%, 83%, 93%
CMY	0.0013, 0.1698, 0.0758
CMYK	0.00, 0.17, 0.07, 0.00
HSL	327°, 99%, 91%
HSV	327°, 17%, 100%
XYZ	79.6774, 74.1641, 89.2277
YIQ	227.5930, 17.9240, 16.5800

Conversions

Conversions Part 2

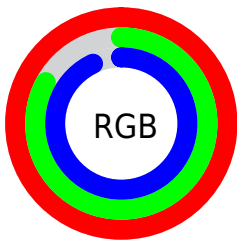
Format	Color
R_{YB}	255, 212, 236
Decimal	16766188
CIE _{Lab}	89.00, 18.86, -6.12
CIE _{LCh}	89, 19.833, 342.014
Yxy	74.1641, 0.3278, 0.3051
Android (android.graphics.Color)	4294956268 (0xFFFFD4EC)
YUV	227.5930, 4.1447, 24.0359
Hunter-Lab	86.1186, 14.4417, -1.1475

Details

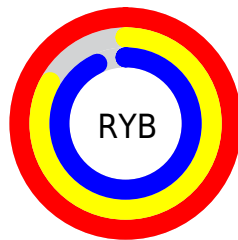
The CIELCh color **89, 19.833, 342.014** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **96, 19.512, 159.254**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 19.923, 342.193** is the 20% darker color. If you saturate the color by 10%, you get **83, 31.764, 342.963**, and if you desaturate by 10%, it is **95, 8.003, 341.132**.

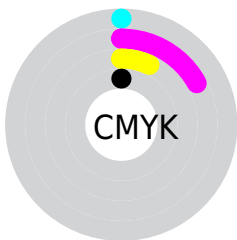
Distribution



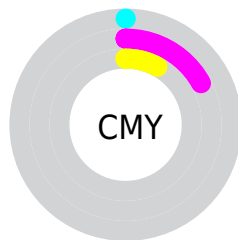
- Red (100%)
- Green (83%)
- Blue (93%)



- Red (100%)
- Yellow (83%)
- Blue (93%)



- Cyan (0%)
- Magenta (17%)
- Yellow (7%)
- Black (0%)





- Cyan (0%)
- Magenta (17%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 19.833, 342.014 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, 19.833, 342.014 by changing the saturation by 10% instead.


 89, 19.833,
342.014

 89, 19.833,
342.014


 100, 19.833,
342.014


 79, 19.833,
342.014

 69, 19.833,
342.014

 59, 19.833,
342.014

 49, 19.833,
342.014

 39, 19.833,
342.014

 29, 19.833,
342.014

 19, 19.833,

342.014

■ 9, 19.833, 342.014

■ 0, 19.833, 342.014

■ 89, 19.833,
342.014

■ 89, 19.833,
342.014

■ 83, 31.764,
342.963

■ 95, 8.003, 341.132

■ 77, 43.562,
344.018

100, 0.113,
205.269

■ 71, 54.861,
345.219

■ 67, 65.163,
346.622

■ 62, 73.865,

348.305

■ 59, 80.360,
350.380

■ 57, 84.233,
352.987

■ 56, 85.521,
356.267

■ 55, 85.655,
357.391

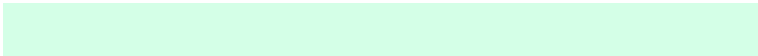
Harmonies

Complementary

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



89, 19.833, 342.014



96, 19.512, 159.254

Rectangle

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



89, 19.833, 342.014



89, 19.833, 32.014



89, 19.833, 162.014



89, 19.833, 212.014

Sweetspot

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



89, 19.830, 342.016



97, 5.812, 340.960



87, 23.485, 307.559



51, 3.968, 341.026



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, 19.830, 342.016



87, 23.578, 342.302



88, 16.027, 15.279



50, 6.640, 341.364



41, 69.226, 356.694



11, 32.535, 352.014

Inverse Universe

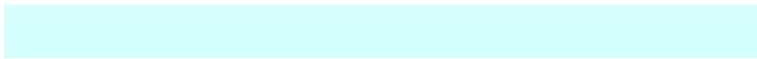
The Inverse Universe completely reimagines the original color for something new.



89, 19.830, 342.016



87, 23.578, 342.302



97, 14.550, 192.720



50, 6.640, 341.364



41, 69.226, 356.694



11, 32.535, 352.014

Previews

White Background



This preview shows how the CIELCh color 89, 19.833, 342.014 looks on a white background.

Color Contrast Check

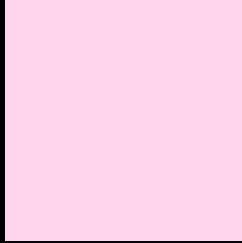
Large Text (above 18pt) WCAG AA × Fail

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, 19.833, 342.014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

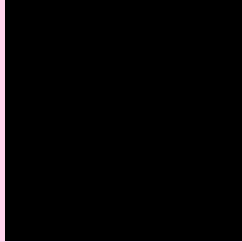
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 19.833, 342.014

Background



This preview shows how black text looks on a background with the CIELCh color 89, 19.833, 342.014.



This preview shows how white text looks on a background with the CIELCh color 89, 19.833, 342.014.

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, 19.833, 342.014

Protanopia

89, 10.429, 291.034

Deuteranopia

89, 12.495, 331.724



Tritanopia
89, 17.022, 351.542

Trichromacy



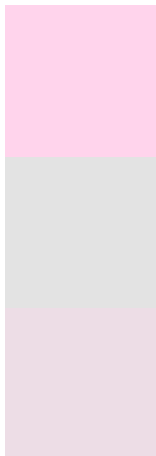
Original Color
89, 19.833, 342.014

Protanomaly
89, 12.838, 316.963

Deuteranomaly
89, 14.977, 336.517

Tritanomaly
89, 17.516, 348.539

Monochromacy



Original Color
89, 19.833, 342.014

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 7.431, 340.900

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 19.833, 342.014 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, 212, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 236)  
}
```

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, 212, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 19.833, 342.014 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, 212, 236) }
```

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

```
.border{ border-color:rgb(255, 212, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 212, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 19.833, 342.014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 236) }
```

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

```
.background{ background-color: rgb(255,  
212, 236) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor