

Converting Colors

CIE LCh(94, 32.324, 10.015)

Have a look what the booklet for
CIELCh(94, 32.324, 10.015) contains.

| | |
|--|----|
| CIELCh(90, 16.019, 355.779) | 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(90, 16.019, 355.779)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FFD8E5 |
| RGB | 255, 216, 229 |
| RGB Percent | 100%, 85%, 90% |
| CMY | 0.0000, 0.1525, 0.1015 |
| CMYK | 0.00, 0.15, 0.10, 0.00 |
| HSL | 340°, 100%, 92% |
| HSV | 340°, 15%, 100% |
| XYZ | 80.4006, 76.3034, 84.6998 |
| YIQ | 229.1430, 19.0710, 12.3110 |

Conversions

Conversions Part 2

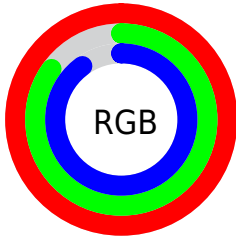
| Format | Color |
|-------------------------------------|-------------------------------|
| R _{YB} | 255, 216, 229 |
| Decimal | 16767205 |
| CIE Lab | 90.00, 15.98, -1.18 |
| CIE LCh | 90, 16.019, 355.779 |
| Yxy | 76.3034, 0.3331, 0.3161 |
| Android (android.graphics.Color) | 4294957285 (0xFFFFD8E5) |
| YUV | 229.1430, -0.0705, 22.6766 |
| Hunter-Lab | 87.3518, 11.4299, 3.6563 |

Details

The CIELCh color **90, 16.019, 355.779** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **97, 15.039, 172.215**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 15.820, 354.319** is the 20% darker color. If you saturate the color by 10%, you get **84, 26.304, 356.290**, and if you desaturate by 10%, it is **96, 5.286, 354.004**.

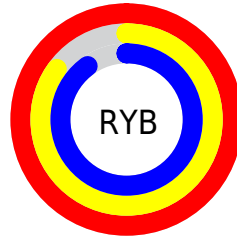
Distribution



Red (100%)

Green (85%)

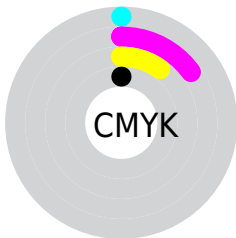
Blue (90%)



Red (100%)

Yellow (85%)

Blue (90%)

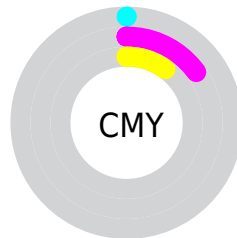


Cyan (0%)

Magenta (15%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (15%)


Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 16.019, 355.779 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 90, 16.019, 355.779 by changing the saturation by 10% instead.


 90, 16.019,
355.779


 90, 16.019,
355.779


 100, 16.019,
355.779


 80, 16.019,
355.779

 70, 16.019,
355.779

 60, 16.019,
355.779

 50, 16.019,
355.779

 40, 16.019,
355.779

 30, 16.019,
355.779

 20, 16.019,

355.779

■ 10, 16.019,
355.779

■ 0, 16.019, 355.779

■ 90, 16.019,
355.779

■ 90, 16.019,
355.779

■ 84, 26.304,
356.290

■ 96, 5.286, 354.004

■ 77, 37.128,
357.686

100, 0.012,
296.813

■ 72, 47.844,
359.359

■ 66, 58.062, 1.416

■ 62, 67.288, 3.996

■ 58, 75.015, 7.274

■ 56, 80.927, 11.428

■ 54, 85.132, 16.541

■ 54, 86.854, 19.174

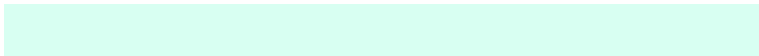
Harmonies

Complementary

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



90, 16.019, 355.779



97, 15.039, 172.215

Rectangle

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



90, 16.019, 355.779



90, 16.019, 45.779



90, 16.019, 175.779



90, 16.019, 225.779

Sweetspot

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



90, 15.637, 355.096



97, 5.030, 353.975



89, 22.148, 314.770



51, 3.436, 354.056



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

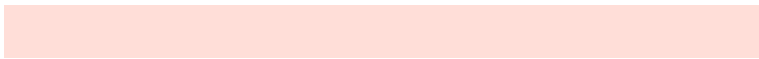
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 15.637, 355.096



88, 18.541, 355.408



91, 12.641, 33.917



50, 5.768, 354.470



40, 69.628, 18.096



10, 31.344, 10.224

Inverse Universe

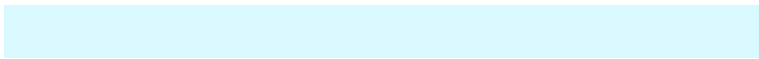
The Inverse Universe completely reimagines the original color for something new.



90, 15.637, 355.096



88, 18.541, 355.408



96, 11.415, 214.034



50, 5.768, 354.470



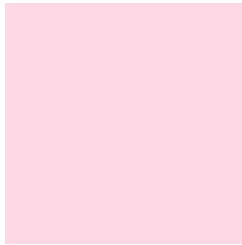
40, 69.628, 18.096



10, 31.344, 10.224

Previews

White Background



This preview shows how the CIE LCh color 90, 16.019, 355.779 looks on a white background.

Color Contrast Check

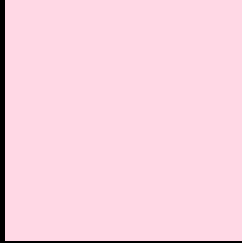
Large Text (above 18pt) WCAG AA × Fail

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 90, 16.019, 355.779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

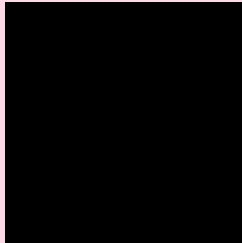
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 16.019, 355.779

Background



This preview shows how black text looks on a background with the CIELCh color 90, 16.019, 355.779.

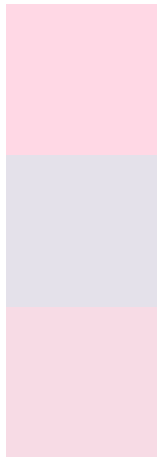


This preview shows how white text looks on a background with the CIELCh color 90, 16.019, 355.779.

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

90, 15.672, 355.171

Protanopia

90, 4.818, 303.243

Deuteranopia

90, 11.384, 353.156



Tritanopia
90, 16.348, 350.200

Trichromacy



Original Color
90, 15.672, 355.171

Protanomaly
90, 7.761, 337.927

Deuteranomaly
90, 12.920, 354.197

Tritanomaly
90, 16.109, 351.809

Monochromacy



Original Color
90, 15.672, 355.171

Achromatopsia
91, 0.011, 296.813

Achromatomaly
90, 5.677, 352.573

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 16.019, 355.779 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, 216, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 229)  
}
```

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, 216, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 16.019, 355.779 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, 216, 229) }
```

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

```
.border{ border-color:rgb(255, 216, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 216, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 16.019, 355.779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 229) }
```

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

```
.background{ background-color: rgb(255,  
216, 229) }
```

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