

Converting Colors

CIELCh(90, 9.281, 336.674)

Have a look what the booklet for
CIELCh(90, 9.281, 336.674) contains.

CIELCh(90, 9.609, 335.441)	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, 9.609, 335.441)

Conversions

Conversions Part 1

Format	Color
Hex	F0DDEA
RGB	240, 221, 234
RGB Percent	94%, 87%, 92%
CMY	0.0582, 0.1327, 0.0817
CMYK	0.00, 0.08, 0.02, 0.06
HSL	319°, 39%, 90%
HSV	319°, 8%, 94%
XYZ	76.7660, 76.3034, 88.6480
YIQ	228.1630, 7.1510, 8.0710

Conversions

Conversions Part 2

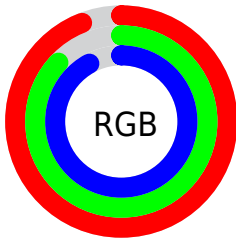
Format	Color
R_{YB}	240, 221, 234
Decimal	15785450
CIE Lab	90.00, 8.74, -3.99
CIE LCh	90, 9.609, 335.441
Yxy	76.3034, 0.3176, 0.3157
Android (android.graphics.Color)	4293975530 (0xFFF0DDEA)
YUV	228.1630, 2.8776, 10.3810
Hunter-Lab	87.3518, 4.0027, 0.9765

Details

The CIELCh color `90, 9.609, 335.441` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `93, 9.557, 154.414`, 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, 9.462, 336.315` is the 20% darker color. If you saturate the color by 10%, you get `84, 21.901, 336.201`, and if you desaturate by 10%, it is `96, 2.499, 154.954`.

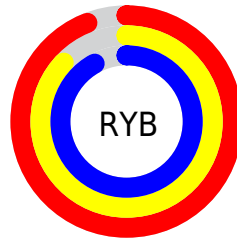
Distribution



Red (94%)

Green (87%)

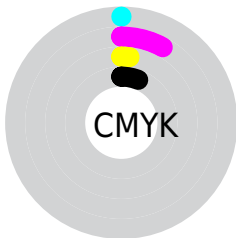
Blue (92%)



Red (94%)

Yellow (87%)

Blue (92%)

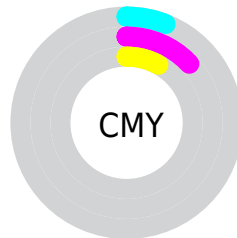


Cyan (0%)

Magenta (8%)

Yellow (2%)

Black (6%)



Cyan (6%)

Magenta (13%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 9.609, 335.441 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, 9.609, 335.441 by changing the saturation by 10% instead.

90, 9.609, 335.441

90, 9.609, 335.441

100, 9.609,
335.441

80, 9.609, 335.441

70, 9.609, 335.441

60, 9.609, 335.441

50, 9.609, 335.441

40, 9.609, 335.441

30, 9.609, 335.441

20, 9.609, 335.441

10, 9.609, 335.441

0, 9.609, 335.441

90, 9.609, 335.441

90, 9.609, 335.441

84, 21.901,
336.201

96, 2.499, 154.954

78, 34.214,
336.993

99, 5.940, 170.123

99, 5.106, 199.211

73, 46.277,
337.844

68, 57.705,
338.771

63, 67.988,
339.800

59, 76.525,
340.972

57, 82.730,
342.347

55, 86.213,
344.003

■ 53, 87.045,
346.020

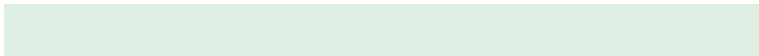
Harmonies

Complementary

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



90, 9.609, 335.441



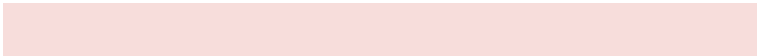
93, 9.557, 154.414

Rectangle

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



90, 9.609, 335.441



90, 9.609, 25.441



90, 9.609, 155.441



90, 9.609, 205.441

Sweetspot

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



90, 9.606, 335.444



99, 2.541, 334.911



89, 10.135, 302.265



53, 1.445, 334.896



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

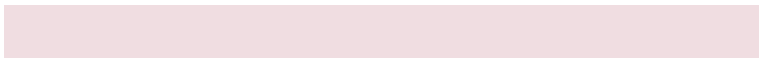
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 9.606, 335.444



94, 11.484, 335.528



90, 7.165, 3.907



47, 6.898, 335.562



41, 71.420, 346.061



9, 32.072, 342.862

Inverse Universe

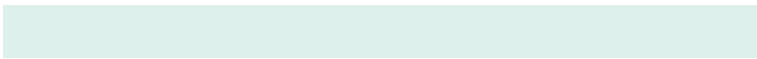
The Inverse Universe completely reimagines the original color for something new.



90, 9.606, 335.444



94, 11.484, 335.528



93, 6.942, 182.628



47, 6.898, 335.562



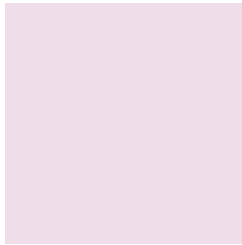
41, 71.420, 346.061



9, 32.072, 342.862

Previews

White Background



This preview shows how the CIELCh color 90, 9.609, 335.441 looks on a white background.

Color Contrast Check

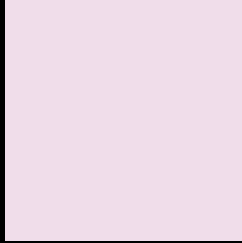
Large Text (above 18pt) WCAG AA × Fail

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 90, 9.609, 335.441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

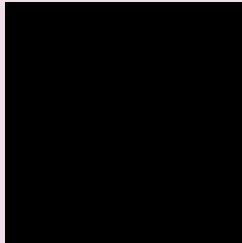
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

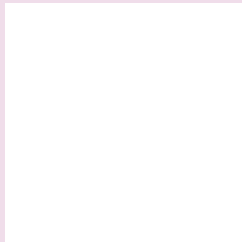
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 9.609, 335.441

Background



This preview shows how black text looks on a background with the CIELCh color 90, 9.609, 335.441.

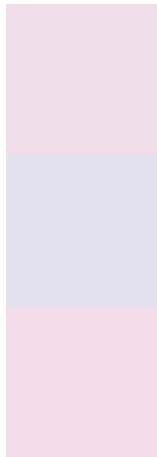


This preview shows how white text looks on a background with the CIELCh color 90, 9.609, 335.441.

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, 9.609, 335.441

Protanopia

90, 6.295, 297.079

Deuteranopia

90, 11.561, 341.329



Tritanopia
90, 11.378, 329.311

Trichromacy



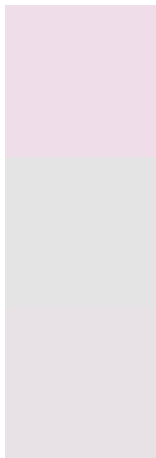
Original Color
90, 9.609, 335.441

Protanomaly
90, 6.886, 314.851

Deuteranomaly
90, 11.013, 338.905

Tritanomaly
90, 10.982, 331.014

Monochromacy



Original Color
90, 9.609, 335.441

Achromatopsia
91, 0.011, 296.813

Achromatomaly
90, 3.005, 335.716

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 9.609, 335.441 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(240, 221, 234)` looks like.

```
.text, #text, p{  
    color:rgb(240, 221, 234)  
}
```

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(240, 221, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 221, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 9.609, 335.441 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(240, 221, 234) }
```

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

```
.border{ border-color:rgb(240, 221, 234) }
```

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

Here you see how a box with a 4 pixel rgb(240, 221, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 221, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 221, 234);  
box-shadow:4px 4px 4px 4px rgb(240, 221,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 9.609, 335.441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 221, 234) }
```

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

```
.background{ background-color: rgb(240,  
221, 234) }
```

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