

Converting Colors

CIELCh(90, 4.048, 324.857)

Have a look what the booklet for
CIELCh(90, 4.048, 324.857) contains.

CIELCh(90, 4.440, 324.544)	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, 4.440, 324.544)

Conversions

Conversions Part 1

Format	Color
Hex	E7E0E7
RGB	231, 224, 231
RGB Percent	91%, 88%, 91%
CMY	0.0929, 0.1203, 0.0929
CMYK	0.00, 0.03, 0.00, 0.09
HSL	300°, 13%, 89%
HSV	300°, 3%, 91%
XYZ	74.2600, 76.3034, 86.6436
YIQ	226.8910, 1.9250, 3.6610

Conversions

Conversions Part 2

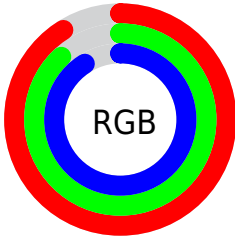
Format	Color
R_{YB}	231, 224, 231
Decimal	15196391
CIE Lab	90.00, 3.62, -2.58
CIE LCh	90, 4.440, 324.544
Yxy	76.3034, 0.3131, 0.3217
Android (android.graphics.Color)	4293386471 (0xFFE7E0E7)
YUV	226.8910, 2.0257, 3.6036
Hunter-Lab	87.3518, -1.1183, 2.3369

Details

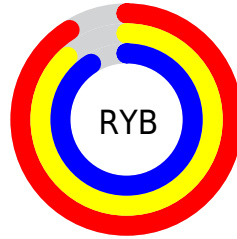
The CIELCh color `90, 4.440, 324.544` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `91, 4.418, 144.338`, and the grayscale version is `90, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `70, 4.009, 324.569` is the 20% darker color. If you saturate the color by 10%, you get `84, 19.205, 325.144`, and if you desaturate by 10%, it is `96, 10.097, 144.094`.

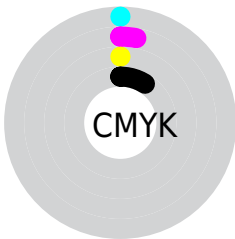
Distribution



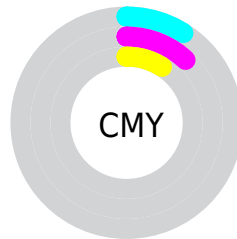
- Red (91%)
- Green (88%)
- Blue (91%)



- Red (91%)
- Yellow (88%)
- Blue (91%)



- Cyan (0%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (9%)
- Magenta (12%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 4.440, 324.544 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, 4.440, 324.544 by changing the saturation by 10% instead.

90, 4.440, 324.544

90, 4.440, 324.544

100, 4.440,
324.544

80, 4.440, 324.544

70, 4.440, 324.544

60, 4.440, 324.544

50, 4.440, 324.544

40, 4.440, 324.544

30, 4.440, 324.544

20, 4.440, 324.544

10, 4.440, 324.544

0, 4.440, 324.544

90, 4.440, 324.544

90, 4.440, 324.544

84, 19.205,
325.144

96, 10.097,
144.094

79, 34.026,
325.698

98, 14.775,
143.911

74, 48.629,
326.231

98, 14.775,
143.912

69, 62.639,
326.731

98, 14.775,
143.912

65, 75.569,
327.181

98, 14.775,
143.912

61, 86.853,
327.564

98, 14.775,
143.913

58, 95.929,
327.864

98, 14.774,
143.913

56, 102.371,
328.074

98, 14.774,
143.914

■ 55, 106.055,
328.192

■ 98, 14.774,
143.914

Harmonies

Complementary

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



90, 4.440, 324.544



91, 4.418, 144.338

Rectangle

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



90, 4.440, 324.544



90, 4.440, 14.544



90, 4.440, 144.544



90, 4.440, 194.544

Sweetspot

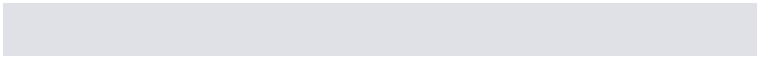
The Sweet Spot groups the original color and five complimentary colors.



90, 4.437, 324.544



99, 1.592, 324.303



89, 3.648, 290.494



53, 0.905, 324.291



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, 4.437, 324.544



97, 6.352, 324.615



90, 3.115, 343.753



47, 4.142, 324.660



42, 88.427, 328.233



9, 37.107, 328.233

Inverse Universe

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



90, 4.437, 324.544



97, 6.352, 324.615



91, 3.090, 163.550



47, 4.142, 324.660



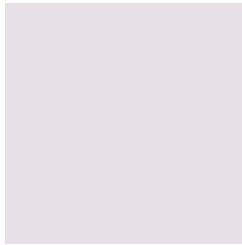
42, 88.427, 328.233



9, 37.107, 328.233

Previews

White Background



This preview shows how the CIELCh color 90, 4.440, 324.544 looks on a white background.

Color Contrast Check

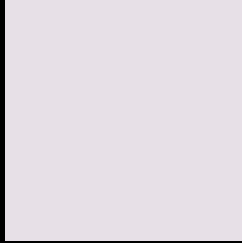
Large Text (above 18pt) WCAG AA × Fail

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, 4.440, 324.544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

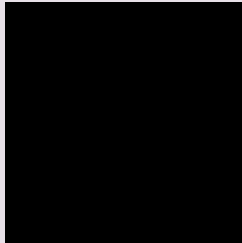
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

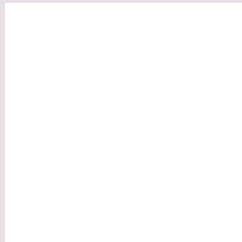
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 4.440, 324.544

Background



This preview shows how black text looks on a background with the CIELCh color 90, 4.440, 324.544.

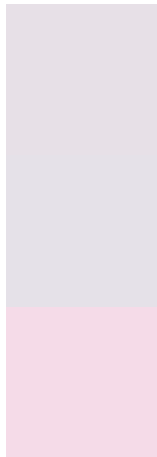


This preview shows how white text looks on a background with the CIELCh color 90, 4.440, 324.544.

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

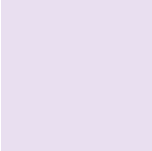
90, 4.440, 324.544

Protanopia

90, 3.929, 311.610

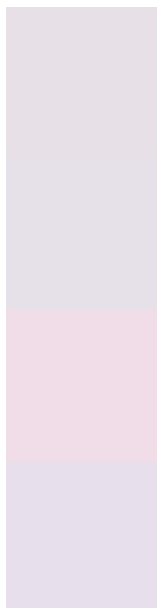
Deuteranopia

90, 11.549, 344.510



Tritanopia
90, 9.559, 312.370

Trichromacy



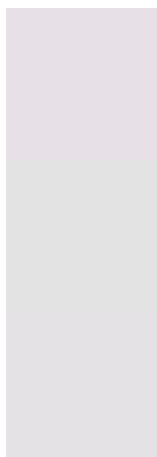
Original Color
90, 4.440, 324.544

Protanomaly
90, 4.074, 316.260

Deuteranomaly
90, 8.917, 340.194

Tritanomaly
90, 7.985, 314.118

Monochromacy



Original Color
90, 4.440, 324.544

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 1.909, 324.365

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 4.440, 324.544 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(231, 224, 231)` looks like.

```
.text, #text, p{  
    color:rgb(231, 224, 231)  
}
```

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(231, 224, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 224, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 4.440, 324.544 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(231, 224, 231) }
```

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

```
.border{ border-color:rgb(231, 224, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 224, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 224, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 224, 231);  
box-shadow:4px 4px 4px 4px rgb(231, 224,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 4.440, 324.544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 224, 231) }
```

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

```
.background{ background-color: rgb(231,  
224, 231) }
```

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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