

Converting Colors

CIELCh(90, 5.225, 336.838)

Have a look what the booklet for
CIELCh(90, 5.225, 336.838) contains.

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Color

CIELCh(90, 4.770, 338.864)

Conversions

Conversions Part 1

Format	Color
Hex	EAE0E6
RGB	234, 224, 230
RGB Percent	92%, 88%, 90%
CMY	0.0835, 0.1226, 0.0991
CMYK	0.00, 0.04, 0.02, 0.08
HSL	324°, 19%, 90%
HSV	324°, 4%, 92%
XYZ	74.6634, 76.3034, 85.4492
YIQ	227.6740, 4.0340, 3.9860

Conversions

Conversions Part 2

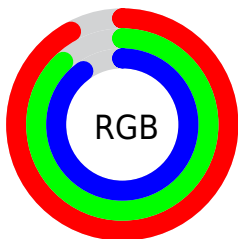
Format	Color
R_{YB}	234, 224, 230
Decimal	15392998
CIE Lab	90.00, 4.45, -1.72
CIE LCh	90, 4.770, 338.864
Yxy	76.3034, 0.3158, 0.3228
Android (android.graphics.Color)	4293583078 (0xFFEAE0E6)
YUV	227.6740, 1.1467, 5.5479
Hunter-Lab	87.3518, -0.2939, 3.1476

Details

The CIELCh color `90, 4.770, 338.864` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `92, 4.737, 158.406`, 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, 4.742, 335.946` is the 20% darker color. If you saturate the color by 10%, you get `84, 16.062, 339.720`, and if you desaturate by 10%, it is `96, 6.281, 158.298`.

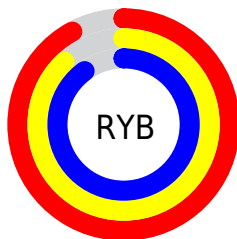
Distribution



Red (92%)

Green (88%)

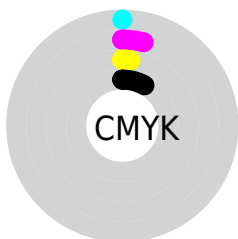
Blue (90%)



Red (92%)

Yellow (88%)

Blue (90%)

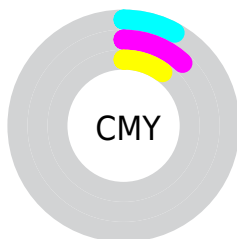


Cyan (0%)

Magenta (4%)

Yellow (2%)

Black (8%)



Cyan (8%)

Magenta (12%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 4.770, 338.864 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, 4.770, 338.864 by changing the saturation by 10% instead.

90, 4.770, 338.864

90, 4.770, 338.864

100, 4.770,
338.864

80, 4.770, 338.864

70, 4.770, 338.864

60, 4.770, 338.864

50, 4.770, 338.864

40, 4.770, 338.864

30, 4.770, 338.864

20, 4.770, 338.864

10, 4.770, 338.864

0, 4.770, 338.864

90, 4.770, 338.864

90, 4.770, 338.864

84, 16.062,
339.720

96, 6.281, 158.298

78, 27.479,
340.589

98, 8.138, 174.638

73, 38.811,
341.539

99, 7.280, 199.036

67, 49.746,
342.600

63, 59.847,
343.811

59, 68.569,
345.230

55, 75.327,
346.939

53, 79.653,
349.051

■ 52, 81.407,
351.692

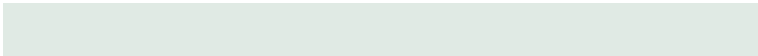
Harmonies

Complementary

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



90, 4.770, 338.864



92, 4.737, 158.406

Rectangle

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



90, 4.770, 338.864



90, 4.770, 28.864



90, 4.770, 158.864



90, 4.770, 208.864

Sweetspot

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



90, 4.768, 338.871



99, 1.198, 338.343



90, 5.413, 305.695



53, 0.682, 338.320



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, 4.768, 338.871



97, 5.987, 338.941



90, 3.643, 11.329



47, 3.816, 338.999



39, 67.590, 352.859



8, 29.815, 348.032

Inverse Universe

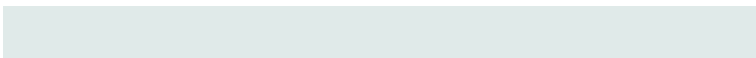
The Inverse Universe completely reimagines the original color for something new.



90, 4.768, 338.871



97, 5.987, 338.941



92, 3.561, 190.987



47, 3.816, 338.999



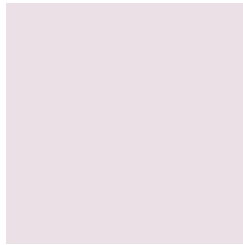
39, 67.590, 352.859



8, 29.815, 348.032

Previews

White Background



This preview shows how the CIELCh color 90, 4.770, 338.864 looks on a white background.

Color Contrast Check

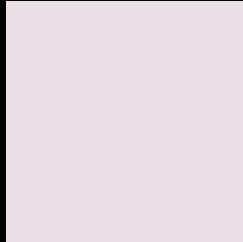
Large Text (above 18pt) WCAG AA × Fail

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, 4.770, 338.864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

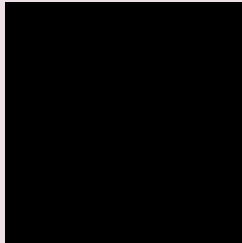
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

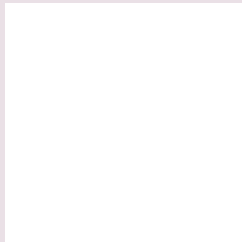
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 4.770, 338.864

Background



This preview shows how black text looks on a background with the CIELCh color 90, 4.770, 338.864.

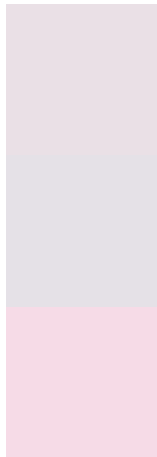


This preview shows how white text looks on a background with the CIELCh color 90, 4.770, 338.864.

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, 4.770, 338.864

Protanopia

90, 3.451, 314.721

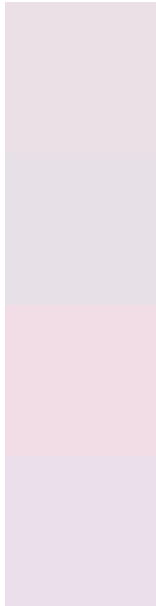
Deuteranopia

90, 11.565, 347.695



Tritanopia
90, 10.472, 316.729

Trichromacy



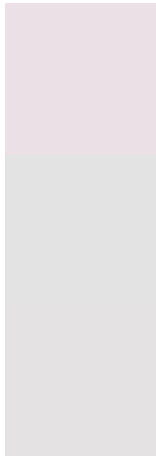
Original Color
90, 4.770, 338.864

Protanomaly
90, 3.806, 324.509

Deuteranomaly
90, 9.181, 345.646

Tritanomaly
90, 8.026, 322.601

Monochromacy



Original Color
90, 4.770, 338.864

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 1.508, 335.501

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 4.770, 338.864 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(234, 224, 230)` looks like.

```
.text, #text, p{  
    color:rgb(234, 224, 230)  
}
```

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(234, 224, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 224, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 4.770, 338.864 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(234, 224, 230) }
```

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

```
.border{ border-color:rgb(234, 224, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 224, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 224, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 224, 230);  
box-shadow:4px 4px 4px 4px rgb(234, 224,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 4.770, 338.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 224, 230) }
```

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

```
.background{ background-color: rgb(234,  
224, 230) }
```

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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