

Converting Colors

CIELCh(90, 4.501, 336.883)

Have a look what the booklet for
CIELCh(90, 4.501, 336.883) contains.

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Color

CIELCh(90, 4.506, 335.849)

Conversions

Conversions Part 1

Format	Color
Hex	E9E0E6
RGB	233, 224, 230
RGB Percent	91%, 88%, 90%
CMY	0.0865, 0.1218, 0.0983
CMYK	0.00, 0.04, 0.01, 0.09
HSL	320°, 17%, 90%
HSV	320°, 4%, 91%
XYZ	74.4996, 76.3034, 85.6211
YIQ	227.3750, 3.4380, 3.7740

Conversions

Conversions Part 2

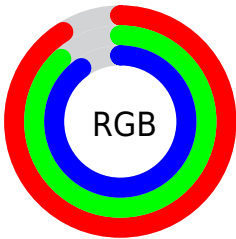
Format	Color
R_{YB}	233, 224, 230
Decimal	15327462
CIE Lab	90.00, 4.11, -1.84
CIE LCh	90, 4.506, 335.849
Yxy	76.3034, 0.3151, 0.3227
Android (android.graphics.Color)	4293517542 (0xFFE9E0E6)
YUV	227.3750, 1.2941, 4.9331
Hunter-Lab	87.3518, -0.6285, 3.0310

Details

The CIELCh color $90, 4.506, 335.849$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $92, 4.479, 155.487$, 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 $70, 4.479, 332.561$ is the 20% darker color. If you saturate the color by 10%, you get $84, 16.292, 336.645$, and if you desaturate by 10%, it is $96, 7.051, 155.317$.

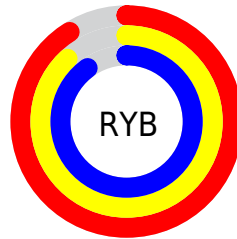
Distribution



Red (91%)

Green (88%)

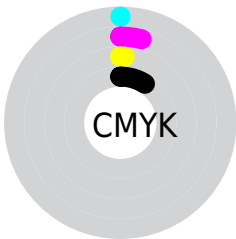
Blue (90%)



Red (91%)

Yellow (88%)

Blue (90%)

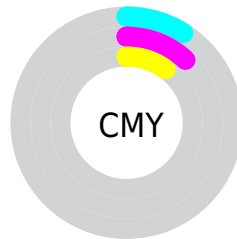


Cyan (0%)

Magenta (4%)

Yellow (1%)

Black (9%)



Cyan (9%)

Magenta (12%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 4.506, 335.849 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, 4.506, 335.849 by changing the saturation by 10% instead.

90, 4.506, 335.849

90, 4.506, 335.849

100, 4.506,
335.849

80, 4.506, 335.849

70, 4.506, 335.849

60, 4.506, 335.849

50, 4.506, 335.849

40, 4.506, 335.849

30, 4.506, 335.849

20, 4.506, 335.849

10, 4.506, 335.849

0, 4.506, 335.849

90, 4.506, 335.849

90, 4.506, 335.849

84, 16.292,
336.645

96, 7.051, 155.317

78, 28.181,
337.436

98, 9.133, 166.799

73, 39.957,
338.284

98, 7.632, 192.270

68, 51.297,
339.208

63, 61.757,
340.233

59, 70.784,
341.398

56, 77.786,
342.759

53, 82.280,
344.395

■ 52, 84.093,
346.402

Harmonies

Complementary

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



90, 4.506, 335.849



92, 4.479, 155.487

Rectangle

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



90, 4.506, 335.849



90, 4.506, 25.849



90, 4.506, 155.849



90, 4.506, 205.849

Sweetspot

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



90, 4.504, 335.855



99, 1.258, 335.409



90, 4.820, 303.244



53, 0.715, 335.389



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

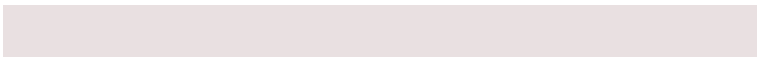
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 4.504, 335.855



97, 6.280, 335.957



90, 3.337, 5.993



47, 4.003, 336.012



40, 69.956, 347.390



8, 30.878, 343.744

Inverse Universe

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



90, 4.504, 335.855



97, 6.280, 335.957



92, 3.276, 185.672



47, 4.003, 336.012



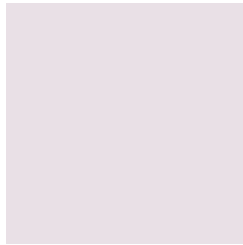
40, 69.956, 347.390



8, 30.878, 343.744

Previews

White Background



This preview shows how the CIELCh color 90, 4.506, 335.849 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, 4.506, 335.849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

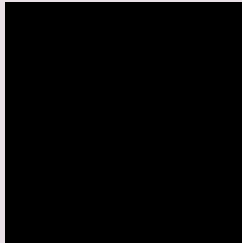
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

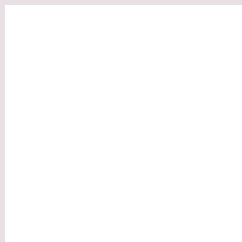
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 4.506, 335.849

Background



This preview shows how black text looks on a background with the CIELCh color 90, 4.506, 335.849.

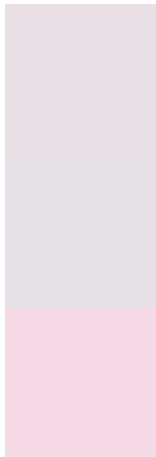


This preview shows how white text looks on a background with the CIELCh color 90, 4.506, 335.849.

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, 4.506, 335.849

Protanopia

90, 3.451, 314.721

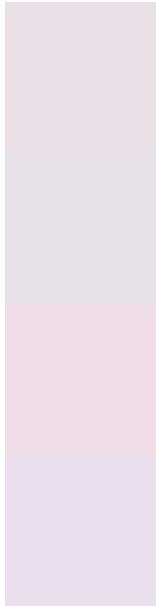
Deuteranopia

90, 11.565, 347.695



Tritanopia
90, 10.322, 314.962

Trichromacy



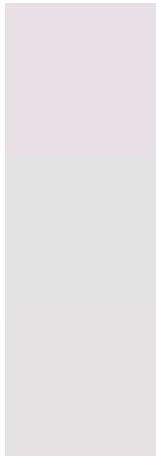
Original Color
90, 4.506, 335.849

Protanomaly
90, 3.615, 319.850

Deuteranomaly
90, 8.886, 344.293

Tritanomaly
90, 7.843, 320.395

Monochromacy



Original Color
90, 4.506, 335.849

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, 4.506, 335.849 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(233, 224, 230)` looks like.

```
.text, #text, p{  
    color:rgb(233, 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(233, 224, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 224, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 4.506, 335.849 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(233, 224, 230) }
```

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

```
.border{ border-color:rgb(233, 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(233, 224, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 224, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 224, 230);  
box-shadow:4px 4px 4px 4px rgb(233, 224,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 4.506, 335.849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 224, 230) }
```

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

```
.background{ background-color: rgb(233,  
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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