

Converting Colors

CIELCh(90, 5.475, 341.601)

Have a look what the booklet for
CIELCh(90, 5.475, 341.601) contains.

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Color

CIELCh(90, 5.656, 339.733)

Conversions

Conversions Part 1

Format	Color
Hex	EBDFE6
RGB	235, 223, 230
RGB Percent	92%, 87%, 90%
CMY	0.0776, 0.1247, 0.0972
CMYK	0.00, 0.05, 0.02, 0.08
HSL	325°, 23%, 90%
HSV	325°, 5%, 92%
XYZ	75.0801, 76.3034, 85.7821
YIQ	227.3860, 4.9050, 4.7210

Conversions

Conversions Part 2

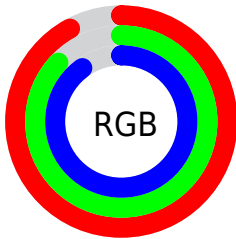
Format	Color
R _{YB}	235, 223, 230
Decimal	15458278
CIE Lab	90.00, 5.31, -1.96
CIE LCh	90, 5.656, 339.733
Yxy	76.3034, 0.3166, 0.3217
Android (android.graphics.Color)	4293648358 (0xFFE8DFE6)
YUV	227.3860, 1.2887, 6.6775
Hunter-Lab	87.3518, 0.5577, 2.9217

Details

The CIELCh color `90, 5.656, 339.733` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `92, 5.616, 159.111`, 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, 5.670, 337.358` is the 20% darker color. If you saturate the color by 10%, you get `84, 16.895, 340.597`, and if you desaturate by 10%, it is `96, 5.343, 159.151`.

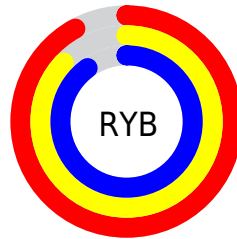
Distribution



Red (92%)

Green (87%)

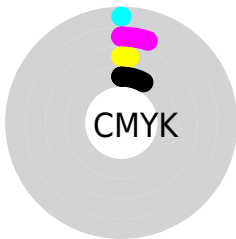
Blue (90%)



Red (92%)

Yellow (87%)

Blue (90%)

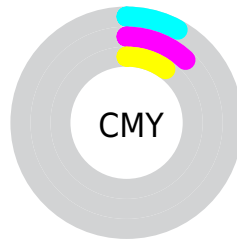


Cyan (0%)

Magenta (5%)

Yellow (2%)

Black (8%)



Cyan (8%)

Magenta (12%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 5.656, 339.733 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, 5.656, 339.733 by changing the saturation by 10% instead.

90, 5.656, 339.733

90, 5.656, 339.733

100, 5.656,
339.733

80, 5.656, 339.733

70, 5.656, 339.733

60, 5.656, 339.733

50, 5.656, 339.733

40, 5.656, 339.733

30, 5.656, 339.733

20, 5.656, 339.733

10, 5.656, 339.733

0, 5.656, 339.733

90, 5.656, 339.733

90, 5.656, 339.733

84, 16.895,
340.597

96, 5.343, 159.151

78, 28.253,
341.493

98, 7.376, 177.996

73, 39.516,
342.479

99, 6.782, 199.074

67, 50.364,
343.587

63, 60.351,
344.863

59, 68.925,
346.370

55, 75.504,
348.202

53, 79.639,
350.480

■ 52, 81.237,
353.339

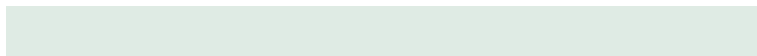
Harmonies

Complementary

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



90, 5.656, 339.733



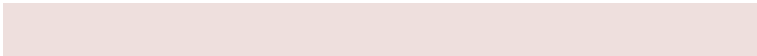
92, 5.616, 159.111

Rectangle

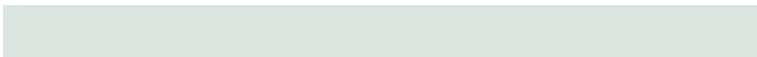
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 5.656, 339.733



90, 5.656, 29.733



90, 5.656, 159.733



90, 5.656, 209.733

Sweetspot

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



90, 5.654, 339.739



99, 2.363, 339.387



90, 6.518, 306.337



53, 1.343, 339.369



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, 5.654, 339.739



96, 7.106, 339.823



90, 4.367, 12.770



47, 4.404, 339.875



39, 67.116, 354.306



8, 29.579, 349.168

Inverse Universe

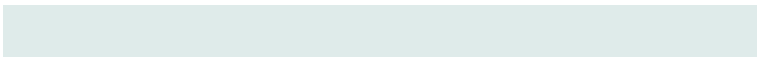
The Inverse Universe completely reimagines the original color for something new.



90, 5.654, 339.739



96, 7.106, 339.823



92, 4.248, 192.272



47, 4.404, 339.875



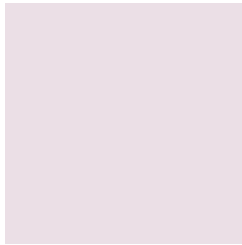
39, 67.116, 354.306



8, 29.579, 349.168

Previews

White Background



This preview shows how the CIELCh color 90, 5.656, 339.733 looks on a white background.

Color Contrast Check

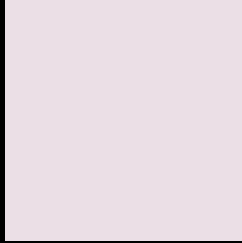
Large Text (above 18pt) WCAG AA × Fail

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, 5.656, 339.733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

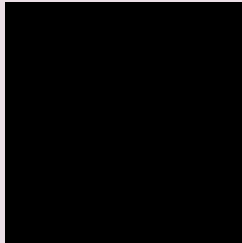
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

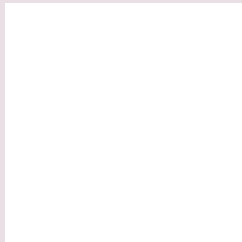
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 5.656, 339.733

Background



This preview shows how black text looks on a background with the CIELCh color 90, 5.656, 339.733.

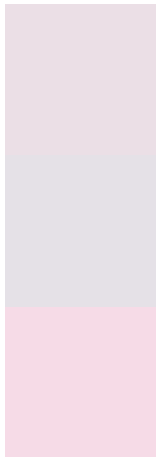


This preview shows how white text looks on a background with the CIELCh color 90, 5.656, 339.733.

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, 5.656, 339.733

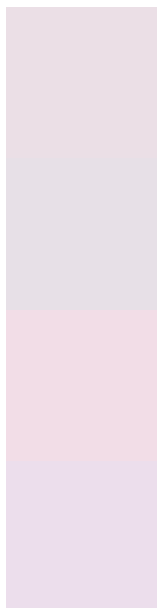
Protanopia
90, 3.451, 314.721

Deuteranopia
90, 11.565, 347.695



Tritanopia
90, 10.354, 321.529

Trichromacy



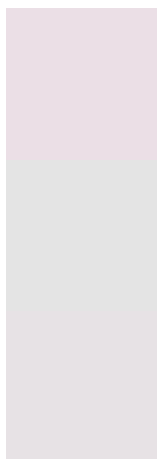
Original Color
90, 5.656, 339.733

Protanomaly
90, 4.440, 324.544

Deuteranomaly
90, 9.181, 345.646

Tritanomaly
90, 8.856, 324.735

Monochromacy



Original Color
90, 5.656, 339.733

Achromatopsia
91, 0.011, 296.813

Achromatomaly
90, 2.389, 338.620

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 5.656, 339.733 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(235, 223, 230)` looks like.

```
.text, #text, p{  
    color:rgb(235, 223, 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(235, 223, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 223, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 5.656, 339.733 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(235, 223, 230) }
```

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

```
.border{ border-color:rgb(235, 223, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 223, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 223, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 223, 230);  
box-shadow:4px 4px 4px 4px rgb(235, 223,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 5.656, 339.733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 223, 230) }
```

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

```
.background{ background-color: rgb(235,  
223, 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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