

Converting Colors

CIELCh(89, 7.618, 306.883)

Have a look what the booklet for
CIELCh(89, 7.618, 306.883) contains.

CIELCh(89, 7.632, 306.807)	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(89, 7.632, 306.807)

Conversions

Conversions Part 1

Format	Color
Hex	E3DDEB
RGB	227, 221, 235
RGB Percent	89%, 87%, 92%
CMY	0.1092, 0.1327, 0.0778
CMYK	0.03, 0.06, 0.00, 0.08
HSL	266°, 26%, 89%
HSV	266°, 6%, 92%
XYZ	72.6490, 74.1641, 89.2084
YIQ	224.3900, -0.9180, 5.6260

Conversions

Conversions Part 2

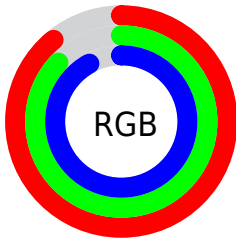
Format	Color
R _Y B	227, 221, 235
Decimal	14933483
CIE Lab	89.00, 4.57, -6.11
CIE LCh	89, 7.632, 306.807
Yxy	74.1641, 0.3078, 0.3142
Android (android.graphics.Color)	4293123563 (0xFFE3DDEB)
YUV	224.3900, 5.2307, 2.2890
Hunter-Lab	86.1186, -0.1264, -1.1342

Details

The CIELCh color `89, 7.632, 306.807` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `92, 7.543, 126.264`, and the grayscale version is `89, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `69, 7.516, 308.031` is the 20% darker color. If you saturate the color by 10%, you get `82, 20.760, 307.334`, and if you desaturate by 10%, it is `96, 5.085, 126.369`.

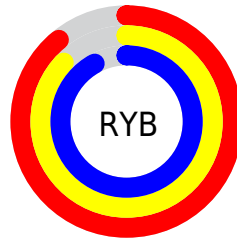
Distribution



Red (89%)

Green (87%)

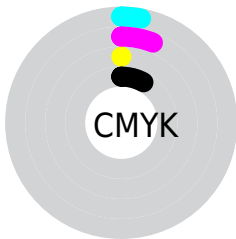
Blue (92%)



Red (89%)

Yellow (87%)

Blue (92%)

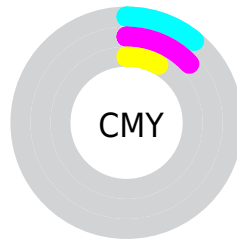


Cyan (3%)

Magenta (6%)

Yellow (0%)

Black (8%)



Cyan (11%)

Magenta (13%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 7.632, 306.807 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 89, 7.632, 306.807 by changing the saturation by 10% instead.

■ 89, 7.632, 306.807

■ 89, 7.632, 306.807

■ 100, 7.632,
306.807

■ 79, 7.632, 306.807

■ 69, 7.632, 306.807

■ 59, 7.632, 306.807

■ 49, 7.632, 306.807

■ 39, 7.632, 306.807

■ 29, 7.632, 306.807

■ 19, 7.632, 306.807

■ 9, 7.632, 306.807

■ 0, 7.632, 306.807

89, 7.632, 306.807

89, 7.632, 306.807

82, 20.760,
307.334

96, 5.085, 126.369

75, 34.281,
307.913

99, 10.049,
111.369

68, 48.130,
308.536

100, 10.040,
109.417

62, 62.163,
309.182

55, 76.111,
309.815

49, 89.493,
310.369

44, 101.546,
310.748

40, 111.231,
310.818

■ 37,117.528,
310.447

Harmonies

Complementary

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



89, 7.632, 306.807



92, 7.543, 126.264

Rectangle

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



89, 7.632, 306.807



89, 7.632, 356.807



89, 7.632, 126.807



89, 7.632, 176.807

Sweetspot

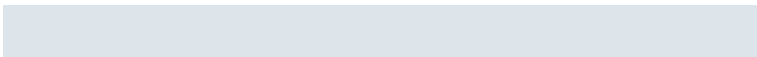
The Sweet Spot groups the original color and five complimentary colors.



89, 7.630, 306.802



99, 2.727, 306.583



91, 4.125, 246.684



53, 1.551, 306.577



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 7.630, 306.802



95, 9.596, 306.858



90, 8.634, 322.445



46, 5.827, 306.886



27, 97.952, 310.410



4, 37.306, 309.228

Inverse Universe

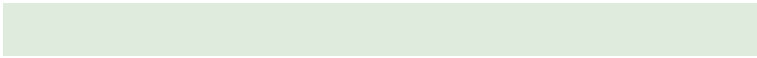
The Inverse Universe completely reimagines the original color for something new.



89, 6.547, 340.382



95, 8.231, 340.478



92, 8.606, 141.905



47, 4.997, 340.525



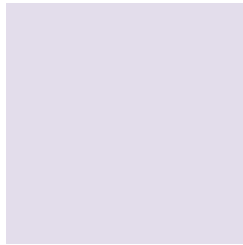
39, 66.814, 355.336



8, 29.422, 349.977

Previews

White Background



This preview shows how the CIELCh color 89, 7.632, 306.807 looks on a white background.

Color Contrast Check

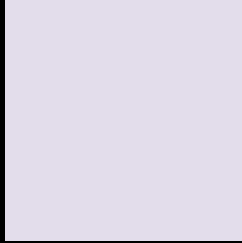
Large Text (above 18pt) WCAG AA × Fail

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 89, 7.632, 306.807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

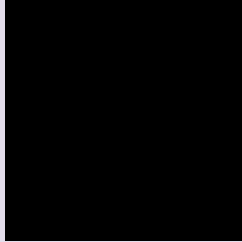
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

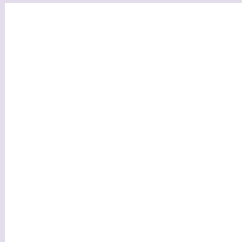
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 7.632, 306.807

Background



This preview shows how black text looks on a background with the CIELCh color 89, 7.632, 306.807.

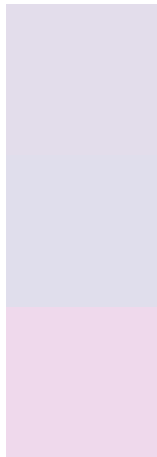


This preview shows how white text looks on a background with the CIELCh color 89, 7.632, 306.807.

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

89, 7.632, 306.807

Protanopia

89, 7.347, 296.243

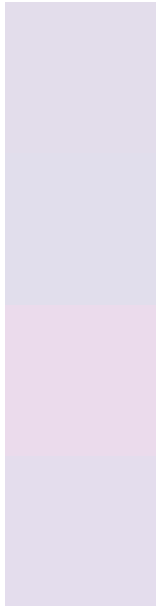
Deuteranopia

89, 12.663, 328.924



Tritanopia
89, 9.233, 306.270

Trichromacy



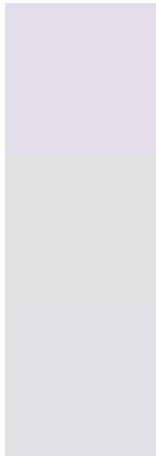
Original Color
89, 7.632, 306.807

Protanomaly
89, 7.393, 298.944

Deuteranomaly
89, 10.566, 323.200

Tritanomaly
89, 8.732, 307.165

Monochromacy



Original Color
89, 7.632, 306.807

Achromatopsia
90, 0.011, 296.813

Achromatomaly
89, 2.714, 305.573

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 7.632, 306.807 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(227, 221, 235)` looks like.

```
.text, #text, p{  
    color:rgb(227, 221, 235)  
}
```

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(227, 221, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 221, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 7.632, 306.807 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(227, 221, 235) }
```

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

```
.border{ border-color:rgb(227, 221, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 221, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 221, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 221, 235);  
box-shadow:4px 4px 4px 4px rgb(227, 221,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 7.632, 306.807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 221, 235) }
```

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

```
.background{ background-color: rgb(227,  
221, 235) }
```

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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