

Converting Colors

CIELCh(86, 19.868, 322.598)

Have a look what the booklet for
CIELCh(86, 19.868, 322.598)
contains.

CIELCh(86, 19.731, 322.538)	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(86, 19.731, 322.538)

Conversions

Conversions Part 1

Format	Color
Hex	EBCEEE
RGB	235, 206, 238
RGB Percent	92%, 81%, 93%
CMY	0.0784, 0.1921, 0.0666
CMYK	0.01, 0.13, 0.00, 0.07
HSL	294°, 49%, 87%
HSV	294°, 13%, 93%
XYZ	71.7744, 67.9871, 90.2391
YIQ	218.3190, 7.0120, 16.1000

Conversions

Conversions Part 2

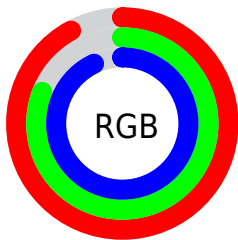
Format	Color
R _Y B	235, 206, 238
Decimal	15453934
CIE Lab	86.00, 15.66, -12.00
CIE LCh	86, 19.731, 322.538
Yxy	67.9871, 0.3121, 0.2956
Android (android.graphics.Color)	4293644014 (0xFFEBCEEE)
YUV	218.3190, 9.7027, 14.6292
Hunter-Lab	82.4543, 11.0847, -7.1698

Details

The CIELCh color **86, 19.731, 322.538** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **91, 19.658, 141.176**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **66, 19.446, 322.496** is the 20% darker color. If you saturate the color by 10%, you get **80, 34.545, 323.035**, and if you desaturate by 10%, it is **92, 5.020, 322.005**.

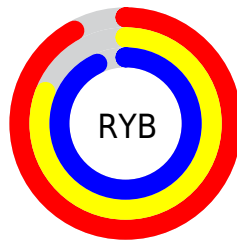
Distribution



Red (92%)

Green (81%)

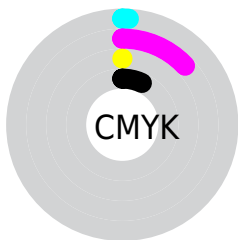
Blue (93%)



Red (92%)

Yellow (81%)

Blue (93%)

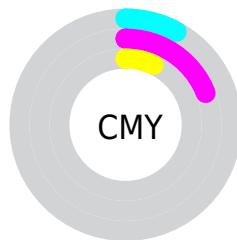


Cyan (1%)

Magenta (13%)

Yellow (0%)

Black (7%)



Cyan (8%)


Magenta (19%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 19.731, 322.538 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 86, 19.731, 322.538 by changing the saturation by 10% instead.


 86, 19.731,
322.538


 86, 19.731,
322.538


 100, 19.731,
322.538


 76, 19.731,
322.538


 66, 19.731,
322.538

 56, 19.731,
322.538

 46, 19.731,
322.538

 36, 19.731,
322.538

 26, 19.731,
322.538

 16, 19.731,

322.538

■ 6, 19.731, 322.538

■ 0, 19.731, 322.538

■ 86, 19.731,
322.538

■ 86, 19.731,
322.538

■ 80, 34.545,
323.035

■ 92, 5.020, 322.005

■ 75, 49.233,
323.513

■ 98, 9.429, 141.604

■ 69, 63.446,
323.953

■ 99, 9.871, 138.010

■ 65, 76.717,
324.332

■ 99, 9.508, 133.907

■ 61, 88.465,

■ 99, 9.197, 129.482

■ 99, 8.945, 124.756

324.622

99, 8.758, 119.771

57, 98.067,
324.794

99, 8.641, 114.590

55, 104.993,
324.822

100, 8.598,
109.525

53, 109.005,
324.691

53, 110.381,
324.535

Harmonies

Complementary

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



86, 19.731, 322.538



91, 19.658, 141.176

Rectangle

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



86, 19.731, 322.538



86, 19.731, 12.538



86, 19.731, 142.538



86, 19.731, 192.538

Sweetspot

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



86, 19.728, 322.538



97, 6.169, 322.041



84, 15.197, 287.360



52, 4.386, 322.085



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 19.728, 322.538



90, 24.867, 322.669



86, 15.341, 339.644



47, 8.365, 322.336



41, 90.851, 324.594



9, 39.615, 325.089

Inverse Universe

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



85, 11.970, 12.771



89, 15.197, 13.044



91, 15.178, 157.596



47, 5.021, 12.375



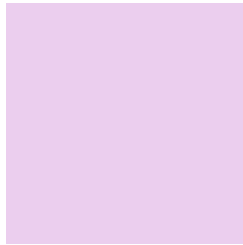
38, 77.752, 36.138



8, 29.376, 20.011

Previews

White Background



This preview shows how the CIELCh color 86, 19.731, 322.538 looks on a white background.

Color Contrast Check

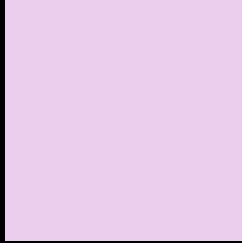
Large Text (above 18pt) WCAG AA × Fail

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 86, 19.731, 322.538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

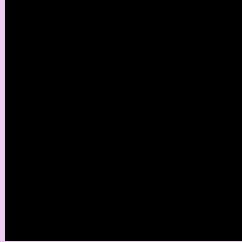
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 19.731, 322.538

Background



This preview shows how black text looks on a background with the CIELCh color 86, 19.731, 322.538.



This preview shows how white text looks on a background with the CIELCh color 86, 19.731, 322.538.

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
86, 19.731, 322.538

Protanopia
86, 15.236, 287.621

Deuteranopia
86, 15.943, 313.211



Tritanopia
86, 12.705, 335.829

Trichromacy



Original Color
86, 19.731, 322.538

Protanomaly
86, 16.119, 302.559

Deuteranomaly
86, 17.000, 317.001

Tritanomaly
86, 15.496, 329.454

Monochromacy



Original Color
86, 19.731, 322.538

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 6.821, 322.171

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 19.731, 322.538 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, 206, 238)` looks like.

```
.text, #text, p{  
    color:rgb(235, 206, 238)  
}
```

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, 206, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 206, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 19.731, 322.538 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, 206, 238) }
```

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

```
.border{ border-color:rgb(235, 206, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 206, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 206, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 206, 238);  
box-shadow:4px 4px 4px 4px rgb(235, 206,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 19.731, 322.538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 206, 238) }
```

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

```
.background{ background-color: rgb(235,  
206, 238) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor