

Converting Colors

CIELCh(87, 9.163, 321.046)

Have a look what the booklet for
CIELCh(87, 9.163, 321.046) contains.

CIELCh(87, 9.163, 321.046)	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(87, 9.163, 321.046)

Conversions

Conversions Part 1

Format	Color
Hex	E3D6E5
RGB	227, 214, 229
RGB Percent	89%, 84%, 90%
CMY	0.1102, 0.1612, 0.1024
CMYK	0.01, 0.07, 0.00, 0.10
HSL	292°, 22%, 87%
HSV	292°, 7%, 90%
XYZ	69.7945, 70.0064, 83.8863
YIQ	219.5970, 2.9330, 7.4210

Conversions

Conversions Part 2

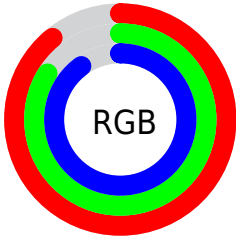
Format	Color
R_{YB}	227, 214, 229
Decimal	14931685
CIE _{Lab}	87.00, 7.13, -5.76
CIE _{LCh}	87, 9.163, 321.046
Yxy	70.0064, 0.3120, 0.3130
Android (android.graphics.Color)	4293121765 (0xFFE3D6E5)
YUV	219.5970, 4.6357, 6.4924
Hunter-Lab	83.6698, 2.4764, -0.8745

Details

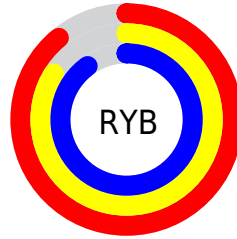
The CIELCh color `87, 9.163, 321.046` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `90, 9.125, 140.473`, and the grayscale version is `88, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `67, 9.660, 321.143` is the 20% darker color. If you saturate the color by 10%, you get `81, 23.309, 321.535`, and if you desaturate by 10%, it is `93, 4.759, 140.660`.

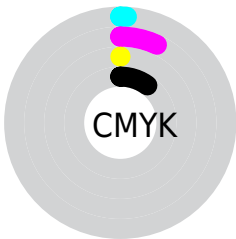
Distribution



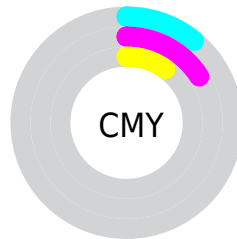
- Red (89%)
- Green (84%)
- Blue (90%)



- Red (89%)
- Yellow (84%)
- Blue (90%)



- Cyan (1%)
- Magenta (7%)
- Yellow (0%)
- Black (10%)



- Cyan (11%)
- Magenta (16%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 9.163, 321.046 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 87, 9.163, 321.046 by changing the saturation by 10% instead.

87, 9.163, 321.046

87, 9.163, 321.046

100, 9.163,
321.046

77, 9.163, 321.046

67, 9.163, 321.046

57, 9.163, 321.046

47, 9.163, 321.046

37, 9.163, 321.046

27, 9.163, 321.046

17, 9.163, 321.046

7, 9.163, 321.046

0, 9.163, 321.046

87, 9.163, 321.046

87, 9.163, 321.046

81, 23.309,
321.535

93, 4.759, 140.660

75, 37.531,
322.009

98, 15.488,
139.587

70, 51.589,
322.460

98, 14.950,
136.106

65, 65.133,
322.866

98, 14.472,
132.352

60, 77.688,
323.199

98, 14.059,
128.333

56, 88.674,
323.427

99, 13.720,
124.066

53, 97.472,
323.515

99, 13.463,
119.584

51, 103.586,
323.430

99, 13.293,
114.932

■ 50, 106.865,
323.158

■ 99, 13.214,
110.168

Harmonies

Complementary

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



87, 9.163, 321.046



90, 9.125, 140.473

Rectangle

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



87, 9.163, 321.046



87, 9.163, 11.046



87, 9.163, 141.046



87, 9.163, 191.046

Sweetspot

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



87, 9.161, 321.045



99, 3.047, 320.771



87, 6.717, 284.009



53, 1.732, 320.761



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 9.161, 321.045



95, 12.225, 321.121



87, 7.458, 336.796



45, 7.977, 321.191



38, 89.331, 323.120



7, 37.217, 323.810

Inverse Universe

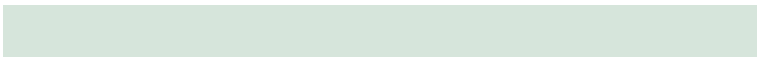
The Inverse Universe completely reimagines the original color for something new.



87, 5.569, 8.921



95, 7.457, 9.079



90, 7.416, 155.959



45, 4.882, 9.225



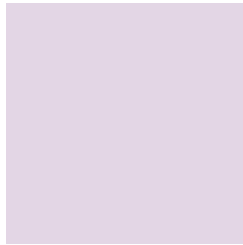
37, 74.207, 33.854



6, 26.754, 16.219

Previews

White Background



This preview shows how the CIELCh color 87, 9.163, 321.046 looks on a white background.

Color Contrast Check

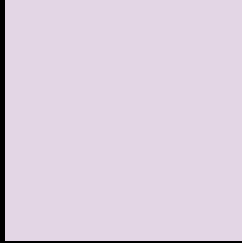
Large Text (above 18pt) WCAG AA × Fail

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 87, 9.163, 321.046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

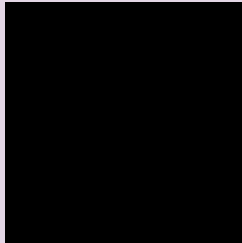
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

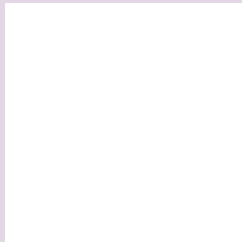
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 9.163, 321.046

Background



This preview shows how black text looks on a background with the CIELCh color 87, 9.163, 321.046.

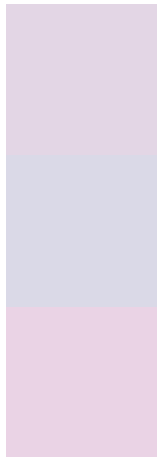


This preview shows how white text looks on a background with the CIELCh color 87, 9.163, 321.046.

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

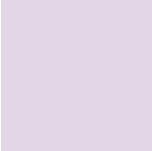
87, 9.163, 321.046

Protanopia

87, 7.348, 293.530

Deuteranopia

87, 12.557, 331.739



Tritanopia
87, 9.616, 319.470

Trichromacy



Original Color
87, 9.163, 321.046

Protanomaly
87, 7.571, 304.244

Deuteranomaly
87, 11.242, 327.882

Tritanomaly
87, 9.616, 319.470

Monochromacy



Original Color
87, 9.163, 321.046

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 3.639, 319.856

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 9.163, 321.046 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, 214, 229)` looks like.

```
.text, #text, p{  
    color:rgb(227, 214, 229)  
}
```

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, 214, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 214, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 9.163, 321.046 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, 214, 229) }
```

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

```
.border{ border-color:rgb(227, 214, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 214, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 214, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 214, 229);  
box-shadow:4px 4px 4px 4px rgb(227, 214,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 9.163, 321.046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 214, 229) }
```

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

```
.background{ background-color: rgb(227,  
214, 229) }
```

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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