

Converting Colors

CIELCh(84, 12.534, 321.173)

Have a look what the booklet for
CIELCh(84, 12.534, 321.173)
contains.

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Color

CIELCh(84, 12.413, 322.128)

Conversions

Conversions Part 1

Format	Color
Hex	DECCE0
RGB	222, 204, 224
RGB Percent	87%, 80%, 88%
CMY	0.1296, 0.2002, 0.1217
CMYK	0.01, 0.09, 0.00, 0.12
HSL	294°, 24%, 84%
HSV	294°, 9%, 88%
XYZ	65.1405, 64.0658, 79.4209
YIQ	211.6620, 4.3080, 10.0360

Conversions

Conversions Part 2

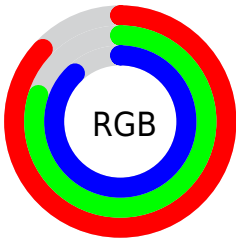
Format	Color
R _Y B	222, 204, 224
Decimal	14601440
CIE Lab	84.00, 9.80, -7.62
CIE LCh	84, 12.413, 322.128
Yxy	64.0658, 0.3122, 0.3071
Android (android.graphics.Color)	4292791520 (0xFFDECCE0)
YUV	211.6620, 6.0826, 9.0664
Hunter-Lab	80.0411, 5.1982, -2.8018

Details

The CIELCh color `84, 12.413, 322.128` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `87, 12.369, 141.274`, and the grayscale version is `85, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `64, 12.427, 322.083` is the 20% darker color. If you saturate the color by 10%, you get `78, 26.465, 322.627`, and if you desaturate by 10%, it is `90, 1.465, 141.838`.

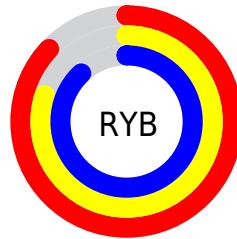
Distribution



Red (87%)

Green (80%)

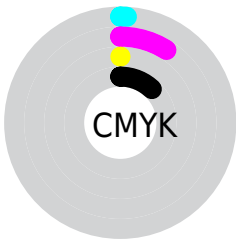
Blue (88%)



Red (87%)

Yellow (80%)

Blue (88%)

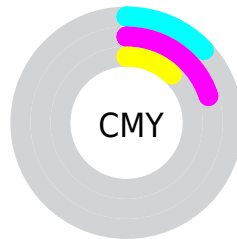


Cyan (1%)

Magenta (9%)

Yellow (0%)

Black (12%)



Cyan (13%)

Magenta (20%)


Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 12.413, 322.128 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 84, 12.413, 322.128 by changing the saturation by 10% instead.


 84, 12.413,
322.128

 84, 12.413,
322.128


 100, 12.413,
322.128


 74, 12.413,
322.128

 64, 12.413,
322.128

 54, 12.413,
322.128

 44, 12.413,
322.128

 34, 12.413,
322.128

 24, 12.413,
322.128

 14, 12.413,

322.128

■ 4, 12.413, 322.128

■ 0, 12.413, 322.128

■ 84, 12.413,
322.128

■ 84, 12.413,
322.128

■ 78, 26.465,
322.627

■ 90, 1.465, 141.838

■ 73, 40.518,
323.111

■ 96, 15.048,
141.211

■ 68, 54.294,
323.567

■ 97, 18.470,
139.631

■ 63, 67.409,
323.973

■ 98, 18.064,
137.531

■ 59, 79.361,

■ 98, 17.682,
135.325

324.303

98, 17.328,
133.013

55, 89.567,
324.528

98, 17.003,
130.596

52, 97.458,
324.619

98, 16.709,
128.078

51, 102.645,
324.553

98, 16.449,
125.462

49, 105.263,
324.335

Harmonies

Complementary

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



84, 12.413, 322.128



87, 12.369, 141.274

Rectangle

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



84, 12.413, 322.128



84, 12.413, 12.128



84, 12.413, 142.128



84, 12.413, 192.128

Sweetspot

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



84, 12.411, 322.128



98, 4.616, 321.800



83, 9.361, 285.995



52, 3.500, 321.852



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 12.411, 322.128



93, 17.013, 322.237



84, 9.772, 338.487



44, 7.908, 322.154



39, 88.076, 324.369



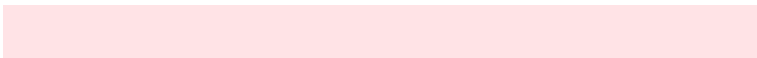
7, 35.787, 324.857

Inverse Universe

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



84, 7.460, 11.817



93, 10.284, 12.031



87, 9.701, 157.229



44, 4.760, 11.869



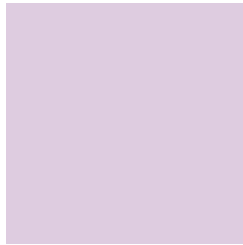
36, 74.932, 35.681



6, 25.347, 16.723

Previews

White Background



This preview shows how the CIELCh color 84, 12.413, 322.128 looks on a white background.

Color Contrast Check

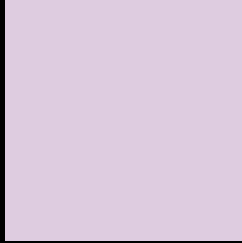
Large Text (above 18pt) WCAG AA × Fail

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 84, 12.413, 322.128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

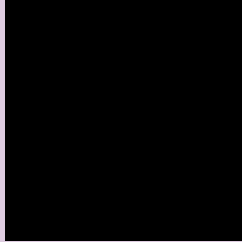
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

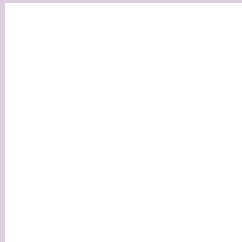
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 12.413, 322.128

Background



This preview shows how black text looks on a background with the CIELCh color 84, 12.413, 322.128.



This preview shows how white text looks on a background with the CIELCh color 84, 12.413, 322.128.

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

84, 12.413, 322.128

Protanopia

84, 10.029, 291.042

Deuteranopia

84, 13.246, 323.629



Tritanopia
84, 10.255, 324.812

Trichromacy



Original Color
84, 12.413, 322.128

Protanomaly
84, 10.283, 302.872

Deuteranomaly
84, 13.246, 323.629

Tritanomaly
84, 10.692, 323.224

Monochromacy



Original Color
84, 12.413, 322.128

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 4.497, 324.559

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 12.413, 322.128 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(222, 204, 224)` looks like.

```
.text, #text, p{  
    color:rgb(222, 204, 224)  
}
```

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(222, 204, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 204, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 12.413, 322.128 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(222, 204, 224) }
```

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

```
.border{ border-color:rgb(222, 204, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 204, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 204, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 204, 224);  
box-shadow:4px 4px 4px 4px rgb(222, 204,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 12.413, 322.128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 204, 224) }
```

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

```
.background{ background-color: rgb(222,  
204, 224) }
```

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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