

Converting Colors

CIELCh(82, 12.915, 321.049)

Have a look what the booklet for
CIELCh(82, 12.915, 321.049)
contains.

CIELCh(82, 12.931, 320.918)	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(82, 12.931, 320.918)

Conversions

Conversions Part 1

Format	Color
Hex	D8C6DB
RGB	216, 198, 219
RGB Percent	85%, 78%, 86%
CMY	0.1518, 0.2224, 0.1400
CMYK	0.01, 0.10, 0.00, 0.14
HSL	291°, 23%, 82%
HSV	291°, 10%, 86%
XYZ	61.4951, 60.2982, 75.6233
YIQ	205.7760, 3.9870, 10.3470

Conversions

Conversions Part 2

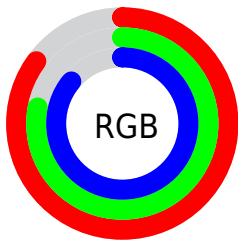
Format	Color
R _Y B	216, 198, 219
Decimal	14206683
CIE Lab	82.00, 10.04, -8.15
CIE LCh	82, 12.931, 320.918
Yxy	60.2982, 0.3115, 0.3054
Android (android.graphics.Color)	4292396763 (0xFFD8C6DB)
YUV	205.7760, 6.5194, 8.9664
Hunter-Lab	77.6519, 5.4691, -3.3847

Details

The CIELCh color $82, 12.931, 320.918$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $86, 12.873, 140.039$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $62, 12.993, 320.822$ is the 20% darker color. If you saturate the color by 10%, you get $76, 26.601, 321.396$, and if you desaturate by 10%, it is $88, 0.556, 140.904$.

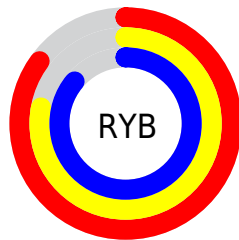
Distribution



Red (85%)

Green (78%)

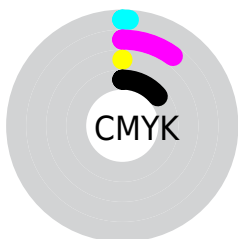
Blue (86%)



Red (85%)

Yellow (78%)

Blue (86%)

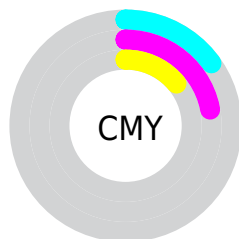


Cyan (1%)

Magenta (10%)

Yellow (0%)

Black (14%)



Cyan (15%)


Magenta (22%)


Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 12.931, 320.918 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 82, 12.931, 320.918 by changing the saturation by 10% instead.


 82, 12.931,
320.918


 82, 12.931,
320.918


 100, 12.931,
320.918


 72, 12.931,
320.918


 62, 12.931,
320.918

 52, 12.931,
320.918

 42, 12.931,
320.918

 32, 12.931,
320.918

 22, 12.931,
320.918

 12, 12.931,

320.918

■ 2, 12.931, 320.918

■ 0, 12.931, 320.918

■ 82, 12.931,
320.918

■ 82, 12.931,
320.918

■ 76, 26.601,
321.396

■ 88, 0.556, 140.904

■ 71, 40.294,
321.860

■ 94, 13.751,
140.043

■ 66, 53.754,
322.295

■ 97, 21.076,
138.750

■ 61, 66.615,
322.679

■ 97, 20.522,
136.142

■ 57, 78.389,

■ 98, 20.011,
133.372

322.981

98, 19.548,
130.443

53, 88.496,
323.165

98, 19.140,
127.358

50, 96.351,
323.196

98, 18.790,
124.128

48, 101.532,
323.043

98, 18.503,
120.765

47, 104.222,
322.714

Harmonies

Complementary

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



82, 12.931, 320.918



86, 12.873, 140.039

Rectangle

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



82, 12.931, 320.918



82, 12.931, 10.918



82, 12.931, 140.918



82, 12.931, 190.918

Sweetspot

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



82, 12.929, 320.917



98, 4.556, 320.573



81, 9.526, 284.367



52, 3.455, 320.622



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 12.929, 320.917



93, 16.802, 320.991



82, 10.557, 337.033



43, 7.663, 320.910



37, 87.526, 322.782



6, 33.907, 323.185

Inverse Universe

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



82, 7.954, 8.488



93, 10.372, 8.647



86, 10.489, 155.711



43, 4.713, 8.473



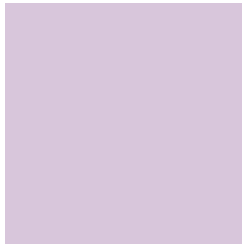
36, 72.094, 33.151



5, 23.721, 14.094

Previews

White Background



This preview shows how the CIELCh color 82, 12.931, 320.918 looks on a white background.

Color Contrast Check

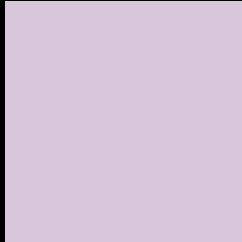
Large Text (above 18pt) WCAG AA × Fail

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 82, 12.931, 320.918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

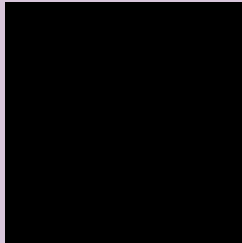
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

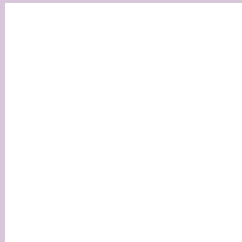
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 12.931, 320.918

Background



This preview shows how black text looks on a background with the CIELCh color 82, 12.931, 320.918.



This preview shows how white text looks on a background with the CIELCh color 82, 12.931, 320.918.

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

82, 12.931, 320.918

Protanopia

82, 10.076, 289.073

Deuteranopia

82, 13.114, 322.297



Tritanopia
82, 10.517, 326.475

Trichromacy



Original Color
82, 12.931, 320.918

Protanomaly
82, 10.858, 302.334

Deuteranomaly
82, 13.114, 322.297

Tritanomaly
82, 11.386, 323.349

Monochromacy



Original Color
82, 12.931, 320.918

Achromatopsia
83, 0.010, 296.813

Achromatomaly
82, 4.966, 321.136

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 12.931, 320.918 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(216, 198, 219)` looks like.

```
.text, #text, p{  
    color:rgb(216, 198, 219)  
}
```

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(216, 198, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 198, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 12.931, 320.918 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(216, 198, 219) }
```

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

```
.border{ border-color:rgb(216, 198, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 198, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 198, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 198, 219);  
box-shadow:4px 4px 4px 4px rgb(216, 198,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 12.931, 320.918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 198, 219) }
```

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

```
.background{ background-color: rgb(216,  
198, 219) }
```

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