

Converting Colors

CIELCh(87, 3.339, 123.749)

Have a look what the booklet for
CIELCh(87, 3.339, 123.749) contains.

CIELCh(87, 3.214, 122.922)	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, 3.214, 122.922)

Conversions

Conversions Part 1

Format	Color
Hex	D9DBD5
RGB	217, 219, 213
RGB Percent	85%, 86%, 84%
CMY	0.1502, 0.1423, 0.1658
CMYK	0.01, 0.00, 0.03, 0.14
HSL	80°, 8%, 85%
HSV	80°, 3%, 86%
XYZ	65.7567, 70.0064, 72.8036
YIQ	217.7180, 0.7340, -2.2900

Conversions

Conversions Part 2

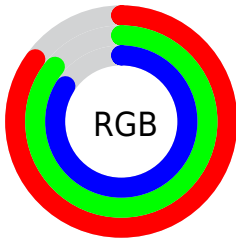
Format	Color
RYP	213, 219, 215
Decimal	14277589
CIELab	87.00, -1.75, 2.70
CIELCh	87, 3.214, 122.922
Yxy	70.0064, 0.3153, 0.3357
Android (android.graphics.Color)	4292467669 (0xFFD9DBD5)
YUV	217.7180, -2.3260, -0.6297
Hunter-Lab	83.6698, -6.1379, 6.9789

Details

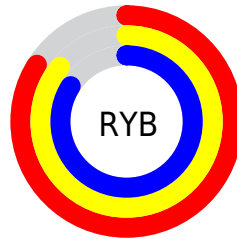
The CIELCh color $87, 3.214, 122.922$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $85, 3.251, 303.192$, and the grayscale version is $87, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $67, 3.394, 122.872$ is the 20% darker color. If you saturate the color by 10%, you get $86, 14.971, 122.377$, and if you desaturate by 10%, it is $88, 8.528, 303.431$.

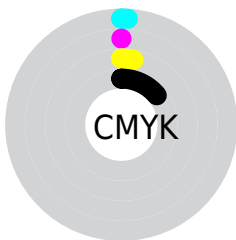
Distribution



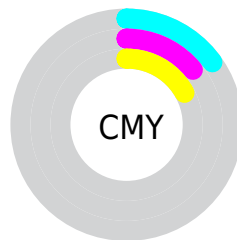
- Red (85%)
- Green (86%)
- Blue (84%)



- Red (84%)
- Yellow (86%)
- Blue (84%)



- Cyan (1%)
- Magenta (0%)
- Yellow (3%)
- Black (14%)



- Cyan (15%)
- Magenta (14%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 3.214, 122.922 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, 3.214, 122.922 by changing the saturation by 10% instead.

■ 87, 3.214, 122.922

■ 87, 3.214, 122.922

■ 100, 3.214,
122.922

■ 77, 3.214, 122.922

■ 67, 3.214, 122.922

■ 57, 3.214, 122.922

■ 47, 3.214, 122.922

■ 37, 3.214, 122.922

■ 27, 3.214, 122.922

■ 17, 3.214, 122.922

■ 7, 3.214, 122.922

■ 0, 3.214, 122.922

87, 3.214, 122.922

87, 3.214, 122.922

86, 14.971,
122.377

88, 8.528, 303.431

85, 26.669,
121.814

89, 19.475,
304.370

84, 38.209,
121.254

90, 20.179,
311.360

83, 49.447,
120.725

90, 21.159,
317.884

83, 60.164,
120.272

91, 22.386,
323.844

82, 70.043,
119.959

91, 22.721,
325.215

81, 78.640,
119.879

81, 85.431,
120.149

■ 80, 89.986,
120.873

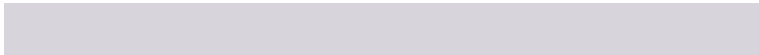
Harmonies

Complementary

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



87, 3.214, 122.922



85, 3.251, 303.192

Rectangle

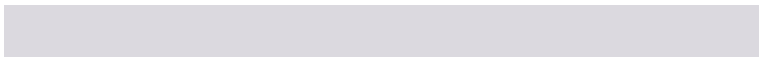
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



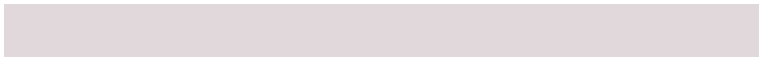
87, 3.214, 122.922



87, 3.214, 172.922



87, 3.214, 302.922



87, 3.214, 352.922

Sweetspot

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



87, 3.216, 122.939



100, 1.320, 123.066



86, 1.777, 55.187



53, 0.750, 123.072



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, 3.216, 122.939



100, 3.983, 122.922



87, 3.632, 139.738



46, 2.669, 122.878



65, 77.319, 121.400



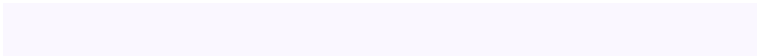
17, 27.859, 121.682

Inverse Universe

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



85, 3.251, 303.192



98, 4.026, 303.209



86, 3.654, 319.859



45, 2.699, 303.254



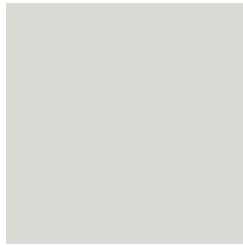
23, 96.616, 308.837



3, 30.307, 303.430

Previews

White Background



This preview shows how the CIELCh color 87, 3.214, 122.922 looks on a white background.

Color Contrast Check

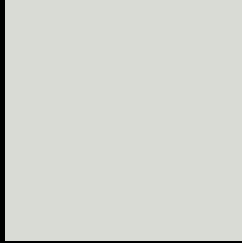
Large Text (above 18pt) WCAG AA × Fail

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, 3.214, 122.922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

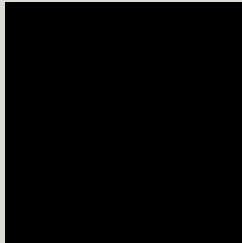
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

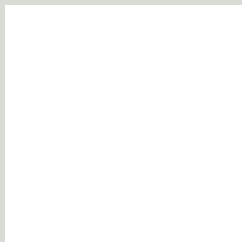
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 3.214, 122.922

Background



This preview shows how black text looks on a background with the CIELCh color 87, 3.214, 122.922.



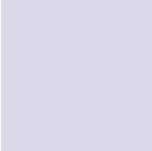
This preview shows how white text looks on a background with the CIELCh color 87, 3.214, 122.922.

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





Tritanopia
87, 9.039, 299.827

Trichromacy



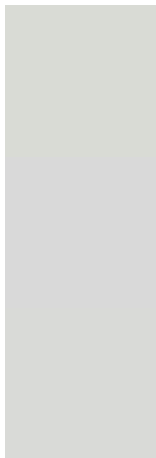
Original Color
87, 3.214, 122.922

Protanomaly
87, 3.298, 90.546

Deuteranomaly
87, 6.594, 19.800

Tritanomaly
87, 4.781, 299.106

Monochromacy



Original Color
87, 3.214, 122.922

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 1.603, 123.015

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 3.214, 122.922 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(217, 219, 213)` looks like.

```
.text, #text, p{  
    color:rgb(217, 219, 213)  
}
```

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(217, 219, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 219, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 3.214, 122.922 is called "border". The border property can be set on classes, ids or directly on the HTML element.

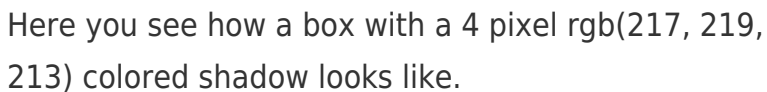
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 219, 213) }
```

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

```
.border{ border-color:rgb(217, 219, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(217, 219, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 219, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 219, 213); box-shadow:4px 4px 4px 4px rgb(217, 219, 213) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 3.214, 122.922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 219, 213) }
```

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

```
.background{ background-color: rgb(217,  
219, 213) }
```

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