

Converting Colors

CIELCh(87, 8.868, 109.293)

Have a look what the booklet for
CIELCh(87, 8.868, 109.293) contains.

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Color

CIELCh(87, 8.856, 109.425)

Conversions

Conversions Part 1

Format	Color
Hex	DBDBCA
RGB	219, 219, 202
RGB Percent	86%, 86%, 79%
CMY	0.1411, 0.1411, 0.2077
CMYK	0.00, 0.00, 0.08, 0.14
HSL	60°, 19%, 83%
HSV	60°, 8%, 86%
XYZ	65.2235, 70.0064, 65.9683
YIQ	217.0620, 5.4570, -5.2870

Conversions

Conversions Part 2

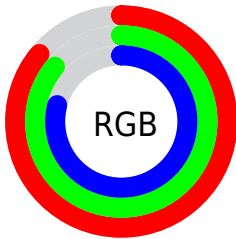
Format	Color
R_{YB}	202, 219, 202
Decimal	14408650
CIE _{Lab}	87.00, -2.95, 8.35
CIE _{LCh}	87, 8.856, 109.425
Yxy	70.0064, 0.3242, 0.3479
Android (android.graphics.Color)	4292598730 (0xFFDBDBCA)
YUV	217.0620, -7.4256, 1.6996
Hunter-Lab	83.6698, -7.2753, 11.8225

Details

The CIELCh color $87, 8.856, 109.425$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $82, 9.026, 290.984$, 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 $67, 8.795, 109.253$ is the 20% darker color. If you saturate the color by 10%, you get $87, 20.224, 108.469$, and if you desaturate by 10%, it is $88, 2.569, 290.427$.

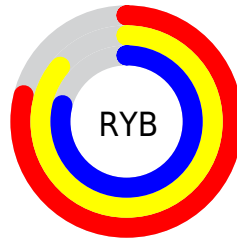
Distribution



Red (86%)

Green (86%)

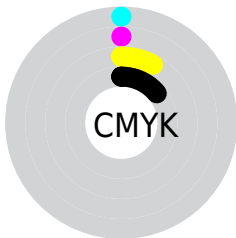
Blue (79%)



Red (79%)

Yellow (86%)

Blue (79%)

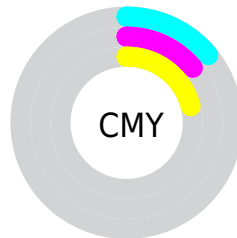


Cyan (0%)

Magenta (0%)

Yellow (8%)

Black (14%)



Cyan (14%)

Magenta (14%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 8.856, 109.425 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, 8.856, 109.425 by changing the saturation by 10% instead.

87, 8.856, 109.425

87, 8.856, 109.425

100, 8.856,
109.425

77, 8.856, 109.425

67, 8.856, 109.425

57, 8.856, 109.425

47, 8.856, 109.425

37, 8.856, 109.425

27, 8.856, 109.425

17, 8.856, 109.425

7, 8.856, 109.425

0, 8.856, 109.425

87, 8.856, 109.425

87, 8.856, 109.425

87, 20.224,
108.469

88, 2.569, 290.427

86, 31.453,
107.500

88, 14.007,
291.339

86, 42.428,
106.550

88, 18.788,
291.722

85, 52.965,
105.642

88, 18.788,
291.728

85, 62.786,
104.805

88, 18.788,
291.733

85, 71.486,
104.076

88, 18.788,
291.739

85, 78.544,
103.496

88, 18.788,
291.744

85, 83.438,
103.102

88, 18.788,
291.750

■ 85, 85.980,
102.900

■ 88, 18.788,
291.755

Harmonies

Complementary

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



87, 8.856, 109.425



82, 9.026, 290.984

Rectangle

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



87, 8.856, 109.425



87, 8.856, 159.425



87, 8.856, 289.425



87, 8.856, 339.425

Sweetspot

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



87, 8.858, 109.435



100, 2.575, 109.965



83, 6.296, 19.798



53, 1.464, 109.973



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, 8.858, 109.435



99, 11.616, 109.309



86, 9.436, 128.741



46, 6.483, 109.275



69, 72.577, 102.867



18, 26.501, 104.176

Inverse Universe

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



82, 9.026, 290.984



93, 11.867, 291.127



82, 9.548, 309.400



42, 6.628, 291.166



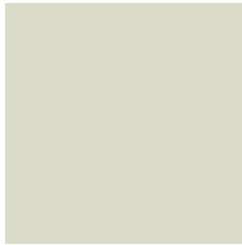
20, 100.214, 306.288



2, 29.602, 294.922

Previews

White Background



This preview shows how the CIELCh color 87, 8.856, 109.425 looks on a white background.

Color Contrast Check

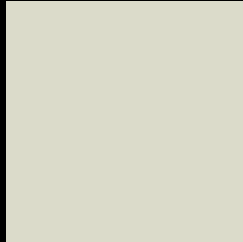
Large Text (above 18pt) WCAG AA × Fail

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, 8.856, 109.425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

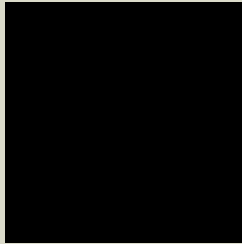
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

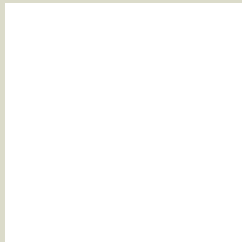
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 8.856, 109.425

Background



This preview shows how black text looks on a background with the CIELCh color 87, 8.856, 109.425.



This preview shows how white text looks on a background with the CIELCh color 87, 8.856, 109.425.

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

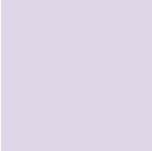
87, 8.856, 109.425

Protanopia

87, 8.977, 87.508

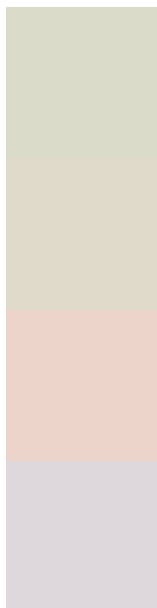
Deuteranopia

87, 13.171, 33.941



Tritanopia
87, 9.382, 308.358

Trichromacy



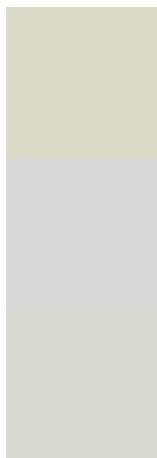
Original Color
87, 8.856, 109.425

Protanomaly
87, 9.041, 97.551

Deuteranomaly
87, 9.750, 52.103

Tritanomaly
87, 3.416, 329.459

Monochromacy



Original Color
87, 8.856, 109.425

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 3.124, 109.893

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 8.856, 109.425 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(219, 219, 202)` looks like.

```
.text, #text, p{  
    color:rgb(219, 219, 202)  
}
```

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(219, 219, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 219, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 8.856, 109.425 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(219, 219, 202) }
```

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

```
.border{ border-color:rgb(219, 219, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 219, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 219, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 219, 202);  
box-shadow:4px 4px 4px 4px rgb(219, 219,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 8.856, 109.425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 219, 202) }
```

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

```
.background{ background-color: rgb(219,  
219, 202) }
```

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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