

# Converting Colors

CIELCh(86, 8.314, 126.399)

Have a look what the booklet for  
CIELCh(86, 8.314, 126.399) contains.

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# **Color**

**CIELCh(86, 8.162, 125.175)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3D9CA
RGB	211, 217, 202
RGB Percent	83%, 85%, 79%
CMY	0.1712, 0.1476, 0.2065
CMYK	0.03, 0.00, 0.07, 0.15
HSL	84°, 17%, 82%
HSV	84°, 7%, 85%
XYZ	62.5686, 67.9871, 65.9171
YIQ	213.4960, 1.2390, -5.9370

# Conversions

## Conversions Part 2

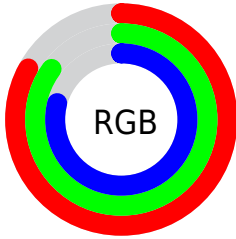
Format	Color
R <sub>Y</sub> B	202, 217, 208
Decimal	13883850
CIE Lab	86.00, -4.70, 6.67
CIE LCh	86, 8.162, 125.175
Yxy	67.9871, 0.3185, 0.3460
Android (android.graphics.Color)	4292073930 (0xFFD3D9CA)
YUV	213.4960, -5.6675, -2.1890
Hunter-Lab	82.4543, -8.8444, 10.3193

# Details

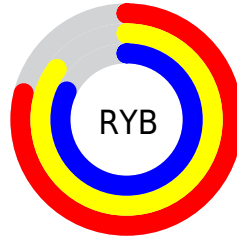
The CIELCh color `86, 8.162, 125.175` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `82, 8.271, 305.840`, and the grayscale version is `86, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `66, 8.093, 126.145` is the 20% darker color. If you saturate the color by 10%, you get `85, 20.001, 124.668`, and if you desaturate by 10%, it is `87, 3.669, 305.628`.

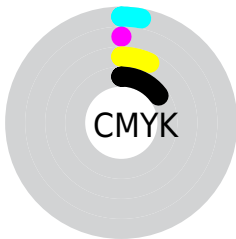
# Distribution



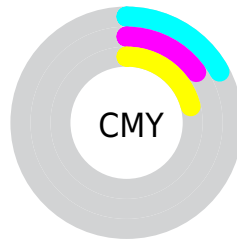
- Red (83%)
- Green (85%)
- Blue (79%)



- Red (79%)
- Yellow (85%)
- Blue (82%)



- Cyan (3%)
- Magenta (0%)
- Yellow (7%)
- Black (15%)



- Cyan (17%)
- Magenta (15%)
- Yellow (21%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 8.162, 125.175 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 86, 8.162, 125.175 by changing the saturation by 10% instead.



 86, 8.162, 125.175

 86, 8.162, 125.175

 100, 8.162,  
125.175

 76, 8.162, 125.175

 66, 8.162, 125.175

 56, 8.162, 125.175

 46, 8.162, 125.175

 36, 8.162, 125.175

 26, 8.162, 125.175

 16, 8.162, 125.175

 6, 8.162, 125.175

 0, 8.162, 125.175

86, 8.162, 125.175

86, 8.162, 125.175

85, 20.001,  
124.668

87, 3.669, 305.628

84, 31.759,  
124.146

88, 15.440,  
306.098

83, 43.321,  
123.634

89, 20.885,  
310.889

82, 54.514,  
123.166

90, 22.047,  
318.378

81, 65.082,  
122.793

91, 23.545,  
325.126

81, 74.659,  
122.598

91, 23.576,  
325.245

80, 82.765,  
122.689

79, 88.884,  
123.190

■ 79, 92.745,  
124.180

# Harmonies

# Complementary

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



86, 8.162, 125.175



82, 8.271, 305.840

# Rectangle

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



86, 8.162, 125.175



86, 8.162, 175.175



86, 8.162, 305.175



86, 8.162, 355.175

# Sweetspot

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



86, 8.164, 125.181



100, 2.682, 125.447



84, 4.565, 63.091



53, 1.525, 125.454



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



86, 8.164, 125.181



99, 10.771, 125.122



85, 9.322, 141.391



46, 6.765, 125.052



64, 79.002, 124.276



16, 28.402, 124.565



# Inverse Universe

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



82, 8.271, 305.840



94, 10.928, 305.903



83, 9.353, 322.022



43, 6.876, 305.977



25, 95.383, 309.919

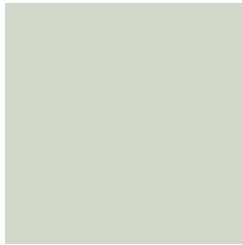


3, 30.605, 305.625



# Previews

## White Background



This preview shows how the CIELCh color 86, 8.162, 125.175 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 86, 8.162, 125.175 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

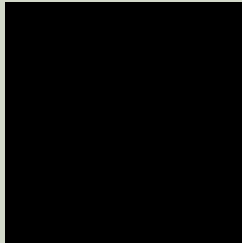
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

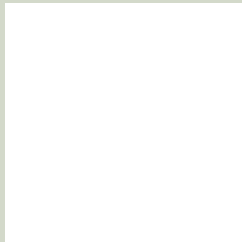
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 86, 8.162, 125.175

## Background



This preview shows how black text looks on a background with the CIELCh color 86, 8.162, 125.175.

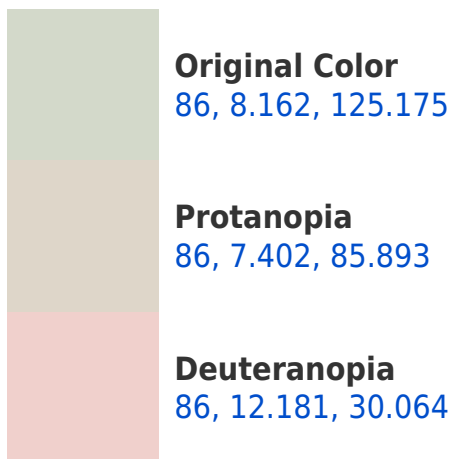


This preview shows how white text looks on a background with the CIELCh color 86, 8.162, 125.175.

# 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**  
86, 9.011, 297.629

# Trichromacy



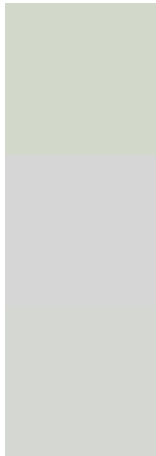
**Original Color**  
86, 8.162, 125.175

**Protanomaly**  
86, 7.391, 100.896

**Deuteranomaly**  
86, 8.222, 50.291

**Tritanomaly**  
86, 2.649, 282.692

# Monochromacy



**Original Color**  
86, 8.162, 125.175

**Achromatopsia**  
86, 0.010, 296.813

**Achromatomaly**  
86, 2.717, 125.422

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 86, 8.162, 125.175 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(211, 217, 202)` looks like.

```
.text, #text, p{  
    color:rgb(211, 217, 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(211, 217, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 217, 202) }
```

## Border

The CSS property to change the border of an element to CIELCh 86, 8.162, 125.175 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(211, 217, 202) }
```

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

```
.border{ border-color:rgb(211, 217, 202) }
```

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

Here you see how a box with a 4 pixel rgb(211, 217, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 217, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 217, 202);  
box-shadow:4px 4px 4px 4px rgb(211, 217,  
202) }
```

# Background

The CSS property to change the background color of an element to CIELCh 86, 8.162, 125.175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 217, 202) }
```

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

```
.background{ background-color: rgb(211,  
217, 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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