

# Converting Colors

CIELCh(83, 7.559, 89.895)

Have a look what the booklet for  
CIELCh(83, 7.559, 89.895) contains.

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# Color

**CIELCh(83, 7.315, 88.562)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5CEC1
RGB	213, 206, 193
RGB Percent	84%, 81%, 76%
CMY	0.1646, 0.1920, 0.2430
CMYK	0.00, 0.03, 0.09, 0.16
HSL	39°, 19%, 80%
HSV	39°, 9%, 84%
XYZ	59.1603, 62.1629, 59.3530
YIQ	206.6110, 8.3450, -2.5590

# Conversions

## Conversions Part 2

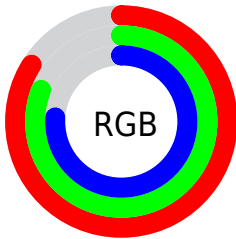
Format	Color
R <sub>Y</sub> B	204, 213, 193
Decimal	14012097
CIE Lab	83.00, 0.18, 7.31
CIE LCh	83, 7.315, 88.562
Yxy	62.1629, 0.3274, 0.3441
Android (android.graphics.Color)	4292202177 (0xFFD5CEC1)
YUV	206.6110, -6.7102, 5.6032
Hunter-Lab	78.8435, -4.0384, 10.5572

# Details

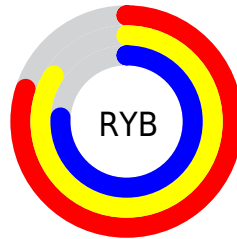
The CIELCh color  $83, 7.315, 88.562$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $80, 7.302, 271.056$ , and the grayscale version is  $83, 0.010, 296.813$ .

A 20% lighter version of the original color is  $100, 3.032, 109.926$ , and  $63, 7.088, 89.711$  is the 20% darker color. If you saturate the color by 10%, you get  $81, 15.296, 87.306$ , and if you desaturate by 10%, it is  $85, 0.481, 270.413$ .

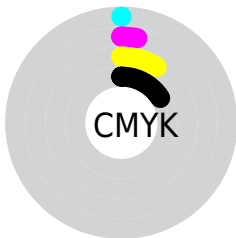
# Distribution



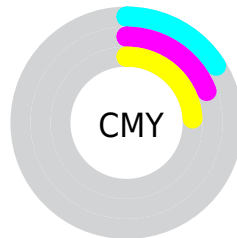
- Red (84%)
- Green (81%)
- Blue (76%)



- Red (80%)
- Yellow (84%)
- Blue (76%)



- Cyan (0%)
- Magenta (3%)
- Yellow (9%)
- Black (16%)





- Cyan (16%)
- Magenta (19%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 7.315, 88.562 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 83, 7.315, 88.562 by changing the saturation by 10% instead.



 83, 7.315, 88.562	 83, 7.315, 88.562
 100, 7.315, 88.562	 73, 7.315, 88.562
	 63, 7.315, 88.562
	 53, 7.315, 88.562
	 43, 7.315, 88.562
	 33, 7.315, 88.562
	 23, 7.315, 88.562
	 13, 7.315, 88.562
	 3, 7.315, 88.562
	 0, 7.315, 88.562

83, 7.315, 88.562

83, 7.315, 88.562

81, 15.296, 87.306

85, 0.481, 270.413

78, 23.452, 85.979

88, 8.100, 271.092

76, 31.753, 84.610

90, 14.608,  
270.773

74, 40.126, 83.198

92, 12.324,  
252.792

72, 48.415, 81.730

70, 56.328, 80.173

94, 11.627,  
230.197

68, 63.345, 78.449

96, 12.742,  
208.553

66, 68.684, 76.411

64, 71.848, 73.929

97, 14.038,  
198.569

# Harmonies

# Complementary

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



83, 7.315, 88.562



80, 7.302, 271.056

# Rectangle

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



83, 7.315, 88.562



83, 7.315, 138.562



83, 7.315, 268.562



83, 7.315, 318.562

# Sweetspot

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



83, 7.316, 88.579



99, 2.678, 89.300



80, 8.299, 353.410



53, 2.034, 89.223



0, 0.000, 0.000



53, 0.007, 296.813

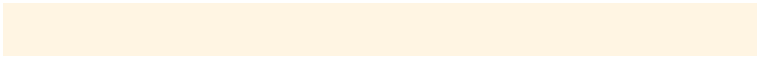


# Same Dimension

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



83, 7.316, 88.579



97, 9.941, 88.365



85, 10.545, 115.365



44, 4.443, 88.574



52, 61.108, 74.278



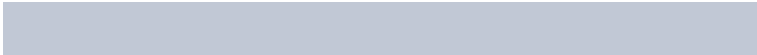
12, 17.954, 76.834





# Inverse Universe

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



80, 7.302, 271.056



93, 9.909, 271.297



79, 10.771, 296.793



42, 4.434, 271.061



30, 70.127, 295.434

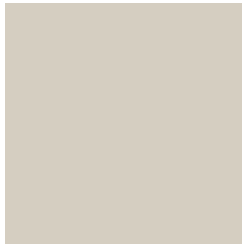


5, 20.817, 283.458



# Previews

## White Background



This preview shows how the CIELCh color 83, 7.315, 88.562 looks on a white background.

## Color Contrast Check

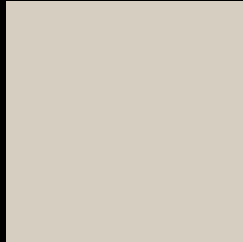
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 83, 7.315, 88.562 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

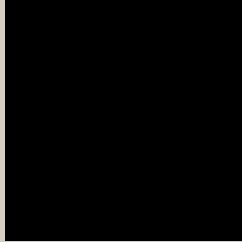
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

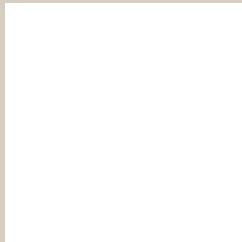
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 83, 7.315, 88.562**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 83, 7.315, 88.562.

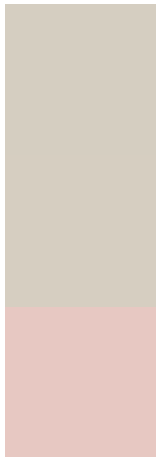


This preview shows how white text looks on a background with the CIELCh color 83, 7.315, 88.562.

# 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

83, 7.315, 88.562

### Protanopia

83, 7.457, 85.851

### Deuteranopia

83, 12.182, 35.175



**Tritanopia**  
83, 10.084, 323.103



# Trichromacy



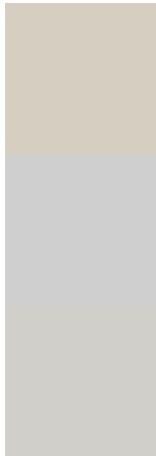
**Original Color**  
83, 7.315, 88.562

**Protanomaly**  
83, 7.457, 85.851

**Deuteranomaly**  
83, 9.310, 46.732

**Tritanomaly**  
83, 5.731, 346.212

# Monochromacy



**Original Color**  
83, 7.315, 88.562

**Achromatopsia**  
83, 0.010, 296.813

**Achromatomaly**  
83, 2.720, 94.269

# CSS Examples

## Text

The CSS property to change the color of the text to CIElCh 83, 7.315, 88.562 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(213, 206, 193)` looks like.

```
.text, #text, p{  
    color:rgb(213, 206, 193)  
}
```

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(213, 206, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 206, 193) }
```

## Border

The CSS property to change the border of an element to CIELCh 83, 7.315, 88.562 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(213, 206, 193) }
```

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

```
.border{ border-color:rgb(213, 206, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 206, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(213, 206, 193); -webkit-box-shadow:4px 4px 4px 4px rgb(213, 206, 193); box-shadow:4px 4px 4px 4px rgb(213, 206, 193) }
```

# Background

The CSS property to change the background color of an element to CIELCh 83, 7.315, 88.562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 206, 193) }
```

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

```
.background{ background-color: rgb(213,  
206, 193) }
```

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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