

# Converting Colors

CIELCh(83, 0.858, 249.192)

Have a look what the booklet for  
CIELCh(83, 0.858, 249.192) contains.

<b>CIELCh(83, 0.894, 236.373)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(83, 0.894, 236.373)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDCFD0
RGB	205, 207, 208
RGB Percent	80%, 81%, 82%
CMY	0.1961, 0.1882, 0.1843
CMYK	0.01, 0.00, 0.00, 0.18
HSL	200°, 3%, 81%
HSV	200°, 1%, 82%
XYZ	58.8786, 62.1629, 68.5743
YIQ	206.5160, -1.5130, -0.1130

# Conversions

## Conversions Part 2

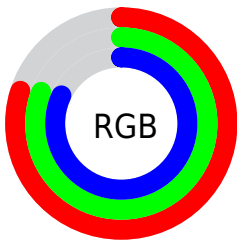
Format	Color
R <sub>YB</sub>	205, 206, 208
Decimal	13488080
CIE Lab	83.00, -0.50, -0.74
CIE LCh	83, 0.894, 236.373
Yxy	62.1629, 0.3105, 0.3278
Android (android.graphics.Color)	4291678160 (0xFFCDCFD0)
YUV	206.5160, 0.7316, -1.3295
Hunter-Lab	78.8435, -4.6762, 3.6228

# Details

The CIELCh color  $83, 0.894, 236.373$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $83, 0.891, 54.878$ , 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  $63, 0.943, 236.276$  is the 20% darker color. If you saturate the color by 10%, you get  $80, 6.935, 236.658$ , and if you desaturate by 10%, it is  $86, 5.342, 54.834$ .

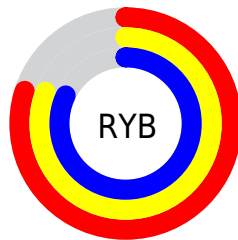
# Distribution



Red (80%)

Green (81%)

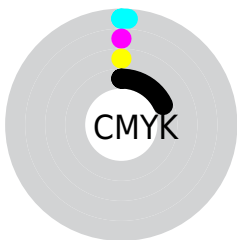
Blue (82%)



Red (80%)

Yellow (81%)

Blue (82%)

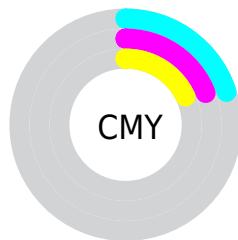


Cyan (1%)

Magenta (0%)

Yellow (0%)

Black (18%)



Cyan (20%)

Magenta (19%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 0.894, 236.373 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, 0.894, 236.373 by changing the saturation by 10% instead.



■ 83, 0.894, 236.373

■ 83, 0.894, 236.373

■ 100, 0.894,  
236.373

■ 73, 0.894, 236.373

■ 63, 0.894, 236.373

■ 53, 0.894, 236.373

■ 43, 0.894, 236.373

■ 33, 0.894, 236.373

■ 23, 0.894, 236.373

■ 13, 0.894, 236.373

■ 3, 0.894, 236.373

■ 0, 0.894, 236.373

83, 0.894, 236.373

83, 0.894, 236.373

80, 6.935, 236.658

86, 5.342, 54.834

76, 12.725,  
237.771

90, 11.722, 54.289

73, 18.200,  
239.192

92, 14.467, 64.260

94, 15.672, 79.898

70, 23.296,  
240.975

96, 17.849, 92.427

67, 27.955,  
243.201

97, 20.677,  
101.802

64, 32.137,  
245.956

99, 23.728,  
108.379

62, 35.840,  
249.322

59, 39.114,  
253.350

■ 57, 42.082,  
258.023

# Harmonies

# Complementary

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



83, 0.894, 236.373



83, 0.891, 54.878

# Rectangle

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



83, 0.894, 236.373



83, 0.894, 286.373



83, 0.894, 56.373



83, 0.894, 106.373

# Sweetspot

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



83, 0.894, 236.229

100, 0.012, 296.813



83, 1.538, 155.100



53, 0.007, 296.813



0, 0.000, 0.000

# Same Dimension

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



83, 0.894, 236.229



99, 1.458, 236.117



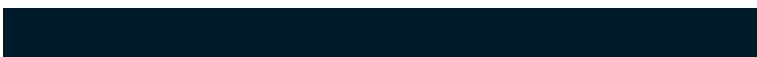
83, 1.317, 281.661



44, 0.705, 236.135



45, 37.725, 261.483



9, 13.050, 249.661





# Inverse Universe

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



83, 1.537, 335.483



99, 2.511, 335.590



83, 1.296, 101.110



44, 1.213, 335.568



37, 66.394, 347.148

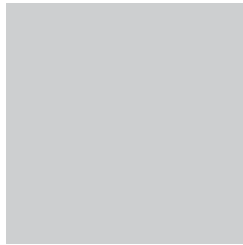


5, 24.130, 342.858



# Previews

## White Background



This preview shows how the CIELCh color 83, 0.894, 236.373 looks on a white background.

## Color Contrast Check

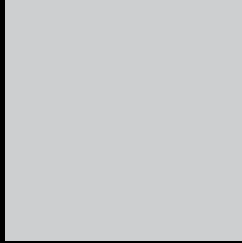
Large Text (above 18pt) WCAG AA × Fail

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 83, 0.894, 236.373 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

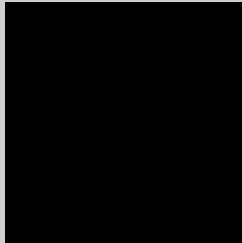
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

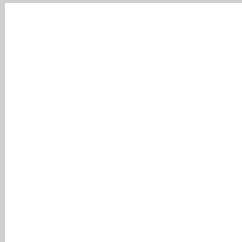
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 83, 0.894, 236.373**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 83, 0.894, 236.373.

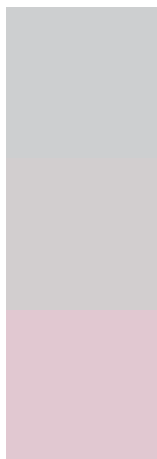


This preview shows how white text looks on a background with the CIELCh color 83, 0.894, 236.373.

# 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, 0.894, 236.373

### Protanopia

83, 1.559, 359.363

### Deuteranopia

83, 10.356, 352.940



**Tritanopia**  
83, 8.510, 295.672



# Trichromacy



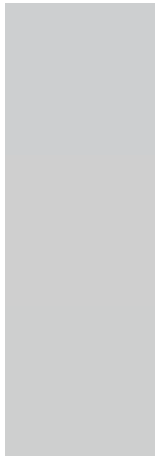
**Original Color**  
83, 0.894, 236.373

**Protanomaly**  
83, 0.910, 343.270

**Deuteranomaly**  
83, 6.355, 349.958

**Tritanomaly**  
83, 5.293, 290.649

# Monochromacy



**Original Color**  
83, 0.894, 236.373

**Achromatopsia**  
83, 0.010, 296.813

**Achromatomaly**  
83, 0.361, 200.946

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 83, 0.894, 236.373 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(205, 207, 208)` looks like.

```
.text, #text, p{  
    color:rgb(205, 207, 208)  
}
```

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(205, 207, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 207, 208) }
```

## Border

The CSS property to change the border of an element to CIELCh 83, 0.894, 236.373 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(205, 207, 208) }
```

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

```
.border{ border-color:rgb(205, 207, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 207, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 207, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 207, 208);  
box-shadow:4px 4px 4px 4px rgb(205, 207,  
208) }
```

# Background

The CSS property to change the background color of an element to CIELCh 83, 0.894, 236.373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 207, 208) }
```

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

```
.background{ background-color: rgb(205,  
207, 208) }
```

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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