

Converting Colors

CIELCh(87, 7.680, 250.096)

Have a look what the booklet for
CIELCh(87, 7.680, 250.096) contains.

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Color

CIELCh(87, 7.443, 250.047)

Conversions

Conversions Part 1

Format	Color
Hex	CEDC E7
RGB	206, 220, 231
RGB Percent	81%, 86%, 91%
CMY	0.1925, 0.1376, 0.0945
CMYK	0.11, 0.05, 0.00, 0.09
HSL	206°, 34%, 86%
HSV	206°, 11%, 91%
XYZ	65.4035, 70.0064, 85.5936
YIQ	217.0680, -11.8750, 0.4530

Conversions

Conversions Part 2

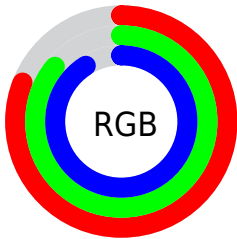
Format	Color
R _Y B	206, 215, 231
Decimal	13556967
CIE Lab	87.00, -2.54, -7.00
CIE LCh	87, 7.443, 250.047
Yxy	70.0064, 0.2959, 0.3168
Android (android.graphics.Color)	4291747047 (0xFFCEDCE7)
YUV	217.0680, 6.8685, -9.7066
Hunter-Lab	83.6698, -6.8913, -2.0843

Details

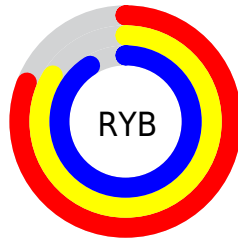
The CIELCh color `87, 7.443, 250.047` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `87, 7.721, 67.365`, and the grayscale version is `87, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `67, 7.173, 249.701` is the 20% darker color. If you saturate the color by 10%, you get `83, 14.156, 251.492`, and if you desaturate by 10%, it is `91, 0.580, 249.525`.

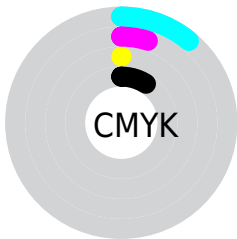
Distribution



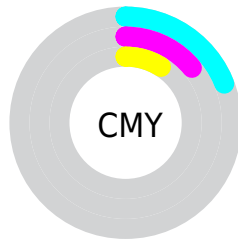
- Red (81%)
- Green (86%)
- Blue (91%)



- Red (81%)
- Yellow (84%)
- Blue (91%)



- Cyan (11%)
- Magenta (5%)
- Yellow (0%)
- Black (9%)



- Cyan (19%)
- Magenta (14%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 7.443, 250.047 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, 7.443, 250.047 by changing the saturation by 10% instead.

■ 87, 7.443, 250.047

■ 87, 7.443, 250.047

■ 100, 7.443,
250.047

■ 77, 7.443, 250.047

■ 67, 7.443, 250.047

■ 57, 7.443, 250.047

■ 47, 7.443, 250.047

■ 37, 7.443, 250.047

■ 27, 7.443, 250.047

■ 17, 7.443, 250.047

■ 7, 7.443, 250.047

■ 0, 7.443, 250.047

87, 7.443, 250.047

87, 7.443, 250.047

83, 14.156,
251.492

91, 0.580, 249.525

79, 20.679,
253.279

96, 6.391, 67.616

75, 26.971,
255.443

98, 10.017, 99.796

99, 12.196,
109.256

71, 33.002,
258.055

67, 38.765,
261.181

63, 44.293,
264.865

60, 49.666,
269.101

56, 55.016,
273.797

■ 54, 60.055,
278.255

Harmonies

Complementary

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



87, 7.443, 250.047



87, 7.721, 67.365

Rectangle

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



87, 7.443, 250.047



87, 7.443, 300.047



87, 7.443, 70.047



87, 7.443, 120.047

Sweetspot

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



87, 7.442, 250.032



99, 2.256, 249.202



89, 11.628, 159.396



52, 1.708, 249.252



0, 0.000, 0.000



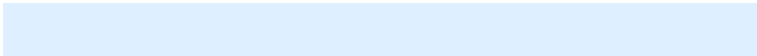
53, 0.007, 296.813

Same Dimension

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



87, 7.442, 250.032



94, 9.662, 250.332



84, 12.322, 288.560



46, 3.891, 249.857



42, 48.791, 277.371



10, 17.865, 268.169

Inverse Universe

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



85, 11.698, 341.373



92, 15.258, 341.569



91, 12.058, 106.254



45, 6.098, 341.254



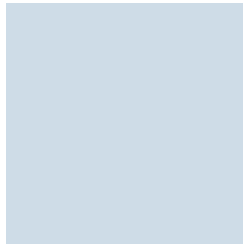
39, 65.857, 356.318



7, 28.300, 350.526

Previews

White Background



This preview shows how the CIELCh color 87, 7.443, 250.047 looks on a white background.

Color Contrast Check

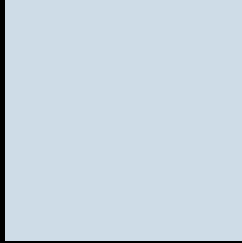
Large Text (above 18pt) WCAG AA × Fail

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 87, 7.443, 250.047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

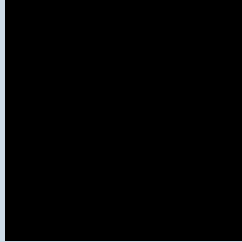
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

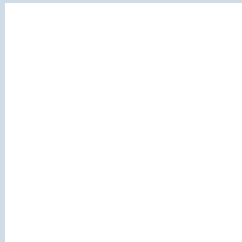
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 7.443, 250.047

Background



This preview shows how black text looks on a background with the CIELCh color 87, 7.443, 250.047.



This preview shows how white text looks on a background with the CIELCh color 87, 7.443, 250.047.

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](#).

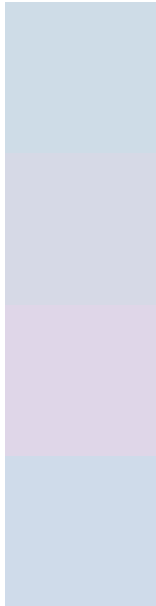
Dichromacy





Tritanopia
87, 9.720, 265.869

Trichromacy



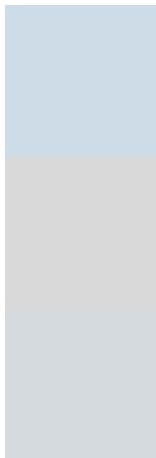
Original Color
87, 7.443, 250.047

Protanomaly
87, 6.875, 281.978

Deuteranomaly
87, 9.999, 309.401

Tritanomaly
87, 8.792, 262.803

Monochromacy



Original Color
87, 7.443, 250.047

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 2.727, 249.804

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 7.443, 250.047 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(206, 220, 231)` looks like.

```
.text, #text, p{  
    color:rgb(206, 220, 231)  
}
```

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(206, 220, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 220, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 7.443, 250.047 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(206, 220, 231) }
```

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

```
.border{ border-color:rgb(206, 220, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 220, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 220, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 220, 231); box-shadow:4px 4px 4px 4px rgb(206, 220, 231) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 7.443, 250.047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 220, 231) }
```

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

```
.background{ background-color: rgb(206,  
220, 231) }
```

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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