

Converting Colors

CIELCh(87, 5.139, 213.187)

Have a look what the booklet for
CIELCh(87, 5.139, 213.187) contains.

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Color

CIELCh(87, 5.356, 210.441)

Conversions

Conversions Part 1

Format	Color
Hex	CEDDDF
RGB	206, 221, 223
RGB Percent	81%, 87%, 87%
CMY	0.1930, 0.1342, 0.1263
CMYK	0.08, 0.01, 0.00, 0.13
HSL	187°, 21%, 84%
HSV	187°, 8%, 87%
XYZ	64.4843, 70.0064, 79.7730
YIQ	216.7430, -9.5820, -2.5580

Conversions

Conversions Part 2

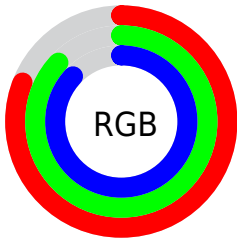
Format	Color
R _Y B	206, 214, 223
Decimal	13557215
CIE Lab	87.00, -4.62, -2.71
CIE LCh	87, 5.356, 210.441
Yxy	70.0064, 0.3010, 0.3267
Android (android.graphics.Color)	4291747295 (0xFFCEDDDF)
YUV	216.7430, 3.0847, -9.4216
Hunter-Lab	83.6698, -8.8523, 2.0402

Details

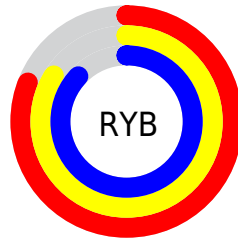
The CIELCh color `87, 5.356, 210.441` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `85, 5.625, 30.420`, and the grayscale version is `87, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `67, 5.260, 211.207` is the 20% darker color. If you saturate the color by 10%, you get `85, 12.032, 210.337`, and if you desaturate by 10%, it is `89, 1.703, 30.067`.

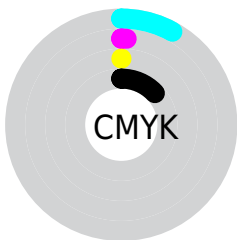
Distribution



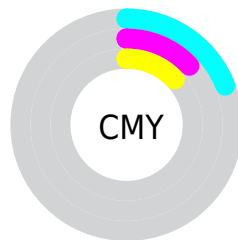
- Red (81%)
- Green (87%)
- Blue (87%)



- Red (81%)
- Yellow (84%)
- Blue (87%)



- Cyan (8%)
- Magenta (1%)
- Yellow (0%)
- Black (13%)



- Cyan (19%)
- Magenta (13%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 5.356, 210.441 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, 5.356, 210.441 by changing the saturation by 10% instead.

■ 87, 5.356, 210.441

■ 87, 5.356, 210.441

■ 100, 5.356,
210.441

■ 77, 5.356, 210.441

■ 67, 5.356, 210.441

■ 57, 5.356, 210.441

■ 47, 5.356, 210.441

■ 37, 5.356, 210.441

■ 27, 5.356, 210.441

■ 17, 5.356, 210.441

■ 7, 5.356, 210.441

■ 0, 5.356, 210.441

87, 5.356, 210.441

87, 5.356, 210.441

85, 12.032,
210.337

89, 1.703, 30.067

83, 18.217,
210.417

92, 9.053, 30.538

93, 10.135, 37.204

81, 23.795,
210.656

93, 9.741, 46.324

79, 28.652,
211.082

94, 9.614, 55.931

95, 9.763, 65.502

78, 32.681,
211.737

95, 10.174, 74.523

76, 35.804,
212.665

96, 10.815, 82.640

75, 37.987,
213.916

97, 11.649, 89.702

74, 39.258,
215.536

■ 73, 39.741,
217.550

Harmonies

Complementary

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



87, 5.356, 210.441



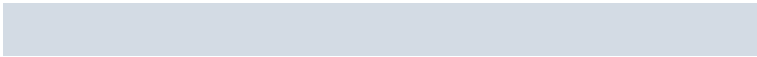
85, 5.625, 30.420

Rectangle

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



87, 5.356, 210.441



87, 5.356, 260.441



87, 5.356, 30.441



87, 5.356, 80.441

Sweetspot

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



87, 5.357, 210.420



99, 1.589, 210.781



87, 10.017, 147.349



53, 0.904, 210.803



0, 0.000, 0.000



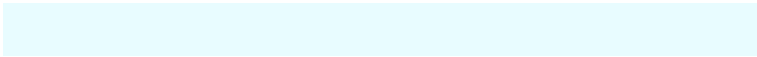
53, 0.007, 296.813

Same Dimension

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



87, 5.357, 210.420



98, 7.025, 210.393



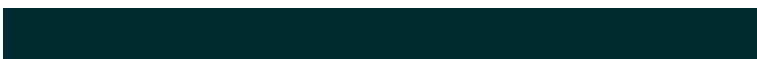
85, 5.934, 267.970



46, 3.992, 210.387



59, 33.408, 217.673



15, 13.901, 213.791

Inverse Universe

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



84, 10.035, 328.222



94, 13.221, 328.312



87, 5.956, 85.906



44, 7.522, 328.335



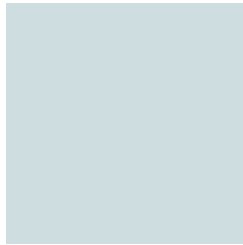
41, 79.820, 333.517



7, 33.191, 332.547

Previews

White Background



This preview shows how the CIELCh color 87, 5.356, 210.441 looks on a white background.

Color Contrast Check

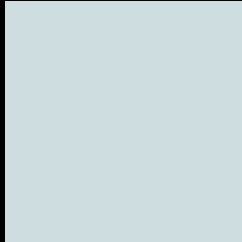
Large Text (above 18pt) WCAG AA × Fail

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, 5.356, 210.441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

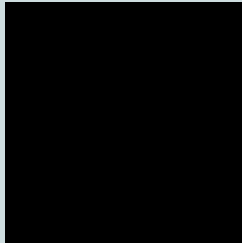
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

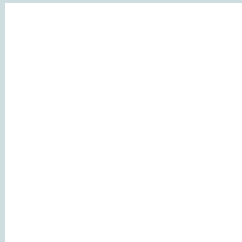
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 5.356, 210.441

Background



This preview shows how black text looks on a background with the CIELCh color 87, 5.356, 210.441.

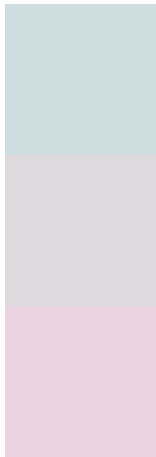


This preview shows how white text looks on a background with the CIELCh color 87, 5.356, 210.441.

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](#).

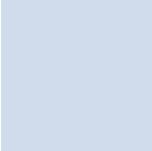
Dichromacy



Original Color
87, 5.356, 210.441

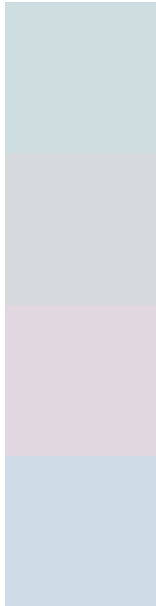
Protanopia
87, 2.148, 332.294

Deuteranopia
87, 11.368, 340.175



Tritanopia
87, 9.589, 267.724

Trichromacy



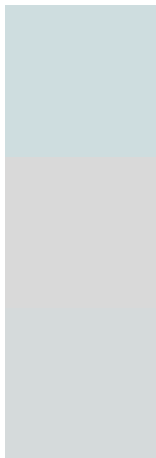
Original Color
87, 5.356, 210.441

Protanomaly
87, 1.892, 255.961

Deuteranomaly
87, 5.744, 324.613

Tritanomaly
87, 7.232, 252.145

Monochromacy



Original Color
87, 5.356, 210.441

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 1.853, 216.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 5.356, 210.441 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, 221, 223)` looks like.

```
.text, #text, p{  
    color:rgb(206, 221, 223)  
}
```

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, 221, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 221, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 5.356, 210.441 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, 221, 223) }
```

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

```
.border{ border-color:rgb(206, 221, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 221, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 221, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 221, 223);  
box-shadow:4px 4px 4px 4px rgb(206, 221,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 5.356, 210.441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 221, 223) }
```

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

```
.background{ background-color: rgb(206,  
221, 223) }
```

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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