

Converting Colors

CIELCh(87, 5.573, 217.033)

Have a look what the booklet for
CIELCh(87, 5.573, 217.033) contains.

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Color

CIELCh(87, 5.463, 215.889)

Conversions

Conversions Part 1

Format	Color
Hex	CEDEE0
RGB	206, 221, 224
RGB Percent	81%, 87%, 88%
CMY	0.1933, 0.1345, 0.1227
CMYK	0.08, 0.01, 0.00, 0.12
HSL	190°, 22%, 84%
HSV	190°, 8%, 88%
XYZ	64.5688, 70.0064, 80.4237
YIQ	216.8570, -9.9030, -2.2470

Conversions

Conversions Part 2

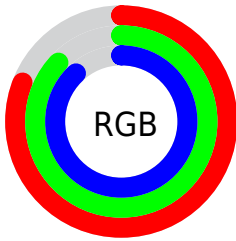
Format	Color
RYB	206, 214, 224
Decimal	13557216
CIELab	87.00, -4.43, -3.20
CIElCh	87, 5.463, 215.889
Yxy	70.0064, 0.3003, 0.3256
Android (android.graphics.Color)	4291747296 (0xFFCEDDE0)
YUV	216.8570, 3.5215, -9.5216
Hunter-Lab	83.6698, -8.6721, 1.5791

Details

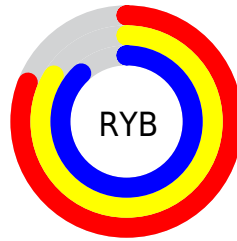
The CIELCh color `87, 5.463, 215.889` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `85, 5.749, 35.531`, and the grayscale version is `87, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `67, 5.379, 217.047` is the 20% darker color. If you saturate the color by 10%, you get `85, 11.916, 216.041`, and if you desaturate by 10%, it is `90, 1.357, 35.207`.

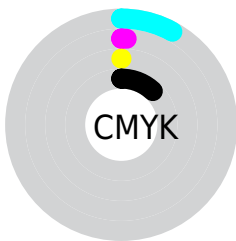
Distribution



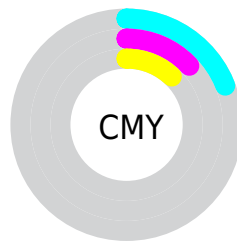
- Red (81%)
- Green (87%)
- Blue (88%)



- Red (81%)
- Yellow (84%)
- Blue (88%)



- Cyan (8%)
- Magenta (1%)
- Yellow (0%)
- Black (12%)



- Cyan (19%)
- Magenta (13%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 5.463, 215.889 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, 5.463, 215.889 by changing the saturation by 10% instead.

■ 87, 5.463, 215.889

■ 87, 5.463, 215.889

■ 100, 5.463,
215.889

■ 77, 5.463, 215.889

■ 67, 5.463, 215.889

■ 57, 5.463, 215.889

■ 47, 5.463, 215.889

■ 37, 5.463, 215.889

■ 27, 5.463, 215.889

■ 17, 5.463, 215.889

■ 7, 5.463, 215.889

■ 0, 5.463, 215.889

87, 5.463, 215.889

87, 5.463, 215.889

85, 11.916,
216.041

90, 1.357, 35.207

82, 17.901,
216.414

92, 8.458, 35.562

94, 9.453, 46.151

80, 23.311,
216.996

94, 9.358, 60.267

78, 28.037,
217.832

95, 9.828, 73.798

96, 10.784, 85.471

76, 31.981,
218.981

97, 12.109, 94.881

74, 35.071,
220.513

98, 13.692,
102.241

73, 37.281,
222.499

99, 15.450,
107.967

71, 38.653,
225.009

■ 70, 39.337,
228.065

Harmonies

Complementary

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



87, 5.463, 215.889



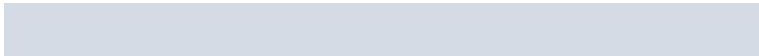
85, 5.749, 35.531

Rectangle

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



87, 5.463, 215.889



87, 5.463, 265.889



87, 5.463, 35.889



87, 5.463, 85.889

Sweetspot

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



87, 5.464, 215.867



99, 1.534, 216.109



87, 10.354, 148.371



53, 0.872, 216.131



0, 0.000, 0.000



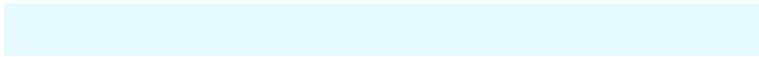
53, 0.007, 296.813

Same Dimension

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



87, 5.464, 215.867



97, 7.513, 215.882



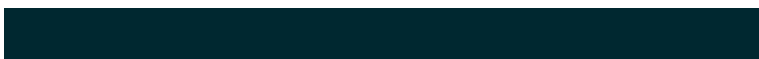
85, 6.504, 270.861



46, 3.852, 215.876



56, 32.962, 228.110



14, 13.591, 222.278

Inverse Universe

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



84, 10.260, 329.840



94, 14.202, 329.971



87, 6.510, 88.723



44, 7.267, 329.930



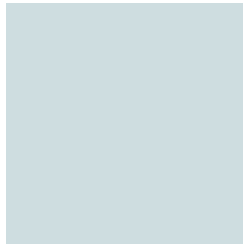
40, 76.867, 336.150



7, 32.100, 334.647

Previews

White Background



This preview shows how the CIELCh color 87, 5.463, 215.889 looks on a white background.

Color Contrast Check

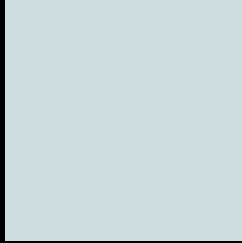
Large Text (above 18pt) WCAG AA × Fail

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, 5.463, 215.889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

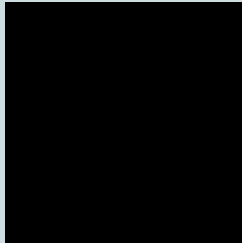
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

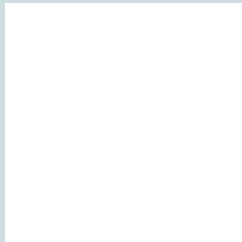
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 5.463, 215.889

Background



This preview shows how black text looks on a background with the CIELCh color 87, 5.463, 215.889.



This preview shows how white text looks on a background with the CIELCh color 87, 5.463, 215.889.

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

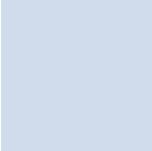
87, 5.463, 215.889

Protanopia

87, 2.373, 317.283

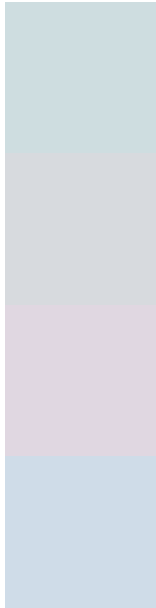
Deuteranopia

87, 11.706, 338.210



Tritanopia
87, 9.589, 267.724

Trichromacy



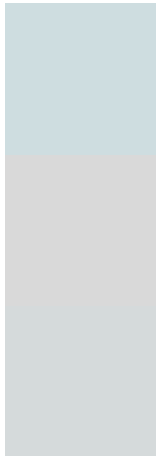
Original Color
87, 5.463, 215.889

Protanomaly
87, 2.341, 263.282

Deuteranomaly
87, 6.182, 321.888

Tritanomaly
87, 7.642, 254.676

Monochromacy



Original Color
87, 5.463, 215.889

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, 5.463, 215.889 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(206, 221, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 221, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 5.463, 215.889 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, 224) }
```

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

```
.border{ border-color:rgb(206, 221, 224) }
```

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, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 221, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 221, 224);  
box-shadow:4px 4px 4px 4px rgb(206, 221,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 5.463, 215.889 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, 224) }
```

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

```
.background{ background-color: rgb(206,  
221, 224) }
```

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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