

Converting Colors

CIELCh(87, 5.805, 225.911)

Have a look what the booklet for
CIELCh(87, 5.805, 225.911) contains.

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Color

CIELCh(87, 5.812, 225.976)

Conversions

Conversions Part 1

Format	Color
Hex	CEDDDE2
RGB	206, 221, 226
RGB Percent	81%, 87%, 89%
CMY	0.1939, 0.1350, 0.1155
CMYK	0.09, 0.02, 0.00, 0.12
HSL	195°, 25%, 85%
HSV	195°, 9%, 88%
XYZ	64.7394, 70.0064, 81.7341
YIQ	217.0850, -10.5450, -1.6250

Conversions

Conversions Part 2

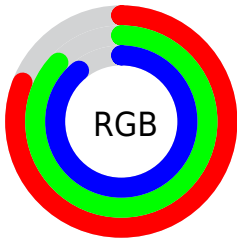
Format	Color
R _Y B	206, 215, 226
Decimal	13557218
CIE Lab	87.00, -4.04, -4.18
CIE LCh	87, 5.812, 225.976
Yxy	70.0064, 0.2991, 0.3234
Android (android.graphics.Color)	4291747298 (0xFFCEDDE2)
YUV	217.0850, 4.3951, -9.7215
Hunter-Lab	83.6698, -8.3081, 0.6506

Details

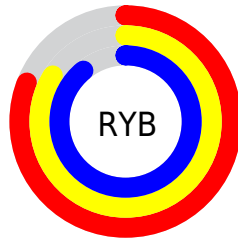
The CIELCh color `87, 5.812, 225.976` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `85, 6.122, 44.925`, and the grayscale version is `87, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `67, 5.768, 227.753` is the 20% darker color. If you saturate the color by 10%, you get `84, 12.056, 226.595`, and if you desaturate by 10%, it is `90, 0.757, 44.579`.

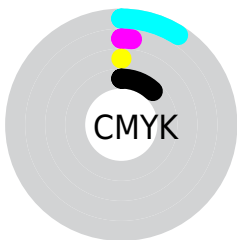
Distribution



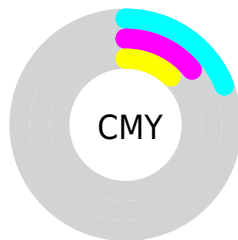
- Red (81%)
- Green (87%)
- Blue (89%)



- Red (81%)
- Yellow (84%)
- Blue (89%)



- Cyan (9%)
- Magenta (2%)
- Yellow (0%)
- Black (12%)



- Cyan (19%)
- Magenta (14%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 5.812, 225.976 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, 5.812, 225.976 by changing the saturation by 10% instead.

■ 87, 5.812, 225.976

■ 87, 5.812, 225.976

■ 100, 5.812,
225.976

■ 77, 5.812, 225.976

■ 67, 5.812, 225.976

■ 57, 5.812, 225.976

■ 47, 5.812, 225.976

■ 37, 5.812, 225.976

■ 27, 5.812, 225.976

■ 17, 5.812, 225.976

■ 7, 5.812, 225.976

■ 0, 5.812, 225.976

87, 5.812, 225.976

87, 5.812, 225.976

84, 12.056,
226.595

90, 0.757, 44.579

81, 17.889,
227.496

93, 7.575, 44.889

78, 23.220,
228.692

95, 8.833, 63.187

76, 27.960,
230.252

98, 11.989, 98.278

73, 32.031,
232.259

99, 14.586,
108.177

71, 35.387,
234.808

99, 14.895,
109.052

69, 38.035,
237.988

67, 40.059,
241.860

■ 65, 41.660,
246.360

Harmonies

Complementary

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



87, 5.812, 225.976



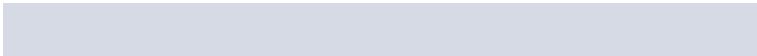
85, 6.122, 44.925

Rectangle

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



87, 5.812, 225.976



87, 5.812, 275.976



87, 5.812, 45.976



87, 5.812, 95.976

Sweetspot

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



87, 5.812, 225.955



99, 2.203, 225.824



88, 10.821, 151.163



53, 1.667, 225.805



0, 0.000, 0.000



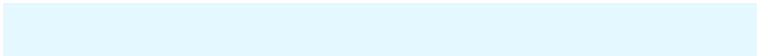
53, 0.007, 296.813

Same Dimension

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



87, 5.812, 225.955



96, 7.925, 226.072



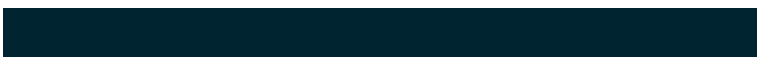
85, 7.912, 277.233



46, 3.702, 225.984



51, 34.596, 246.027



13, 13.727, 237.405

Inverse Universe

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



85, 10.733, 332.877



93, 14.735, 333.031



88, 7.864, 95.011



44, 6.849, 332.918



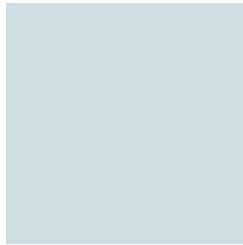
39, 72.315, 341.288



7, 30.351, 338.679

Previews

White Background



This preview shows how the CIELCh color 87, 5.812, 225.976 looks on a white background.

Color Contrast Check

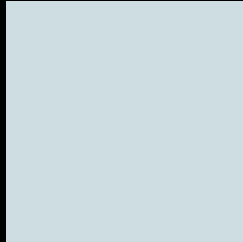
Large Text (above 18pt) WCAG AA × Fail

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, 5.812, 225.976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

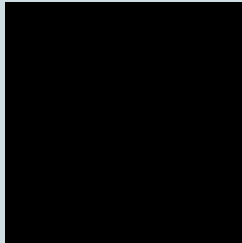
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

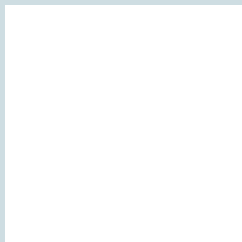
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 5.812, 225.976

Background



This preview shows how black text looks on a background with the CIELCh color 87, 5.812, 225.976.

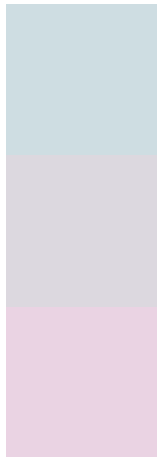


This preview shows how white text looks on a background with the CIELCh color 87, 5.812, 225.976.

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](#).

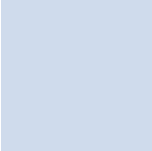
Dichromacy



Original Color
87, 5.812, 225.976

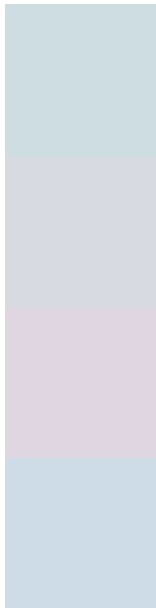
Protanopia
87, 3.959, 311.616

Deuteranopia
87, 11.802, 335.108



Tritanopia
87, 9.720, 265.869

Trichromacy



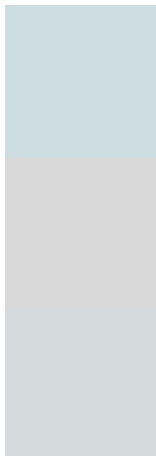
Original Color
87, 5.812, 225.976

Protanomaly
87, 3.305, 271.708

Deuteranomaly
87, 7.270, 320.007

Tritanomaly
87, 7.840, 252.626

Monochromacy



Original Color
87, 5.812, 225.976

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 2.055, 230.257

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 5.812, 225.976 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(206, 221, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 221, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 5.812, 225.976 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, 226) }
```

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

```
.border{ border-color:rgb(206, 221, 226) }
```

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, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 221, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 221, 226);  
box-shadow:4px 4px 4px 4px rgb(206, 221,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 5.812, 225.976 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, 226) }
```

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

```
.background{ background-color: rgb(206,  
221, 226) }
```

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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