

Converting Colors

CIELCh(87, 5.071, 240.013)

Have a look what the booklet for
CIELCh(87, 5.071, 240.013) contains.

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Color

CIELCh(87, 4.928, 238.944)

Conversions

Conversions Part 1

Format	Color
Hex	D1DCE2
RGB	209, 220, 226
RGB Percent	82%, 86%, 89%
CMY	0.1816, 0.1385, 0.1150
CMYK	0.08, 0.03, 0.00, 0.11
HSL	201°, 22%, 85%
HSV	201°, 8%, 89%
XYZ	65.4025, 70.0064, 81.7915
YIQ	217.3950, -8.4820, -0.4660

Conversions

Conversions Part 2

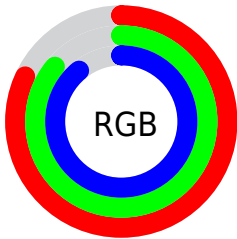
Format	Color
R_{YB}	209, 216, 226
Decimal	13753570
CIE Lab	87.00, -2.54, -4.22
CIE LCh	87, 4.928, 238.944
Yxy	70.0064, 0.3011, 0.3223
Android (android.graphics.Color)	4291943650 (0xFFD1DCE2)
YUV	217.3950, 4.2423, -7.3624
Hunter-Lab	83.6698, -6.8935, 0.6099

Details

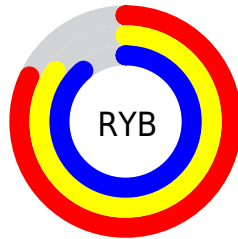
The CIELCh color $87, 4.928, 238.944$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $87, 5.099, 57.351$, and the grayscale version is $87, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $67, 4.900, 241.885$ is the 20% darker color. If you saturate the color by 10%, you get $83, 11.262, 240.000$, and if you desaturate by 10%, it is $91, 1.632, 57.571$.

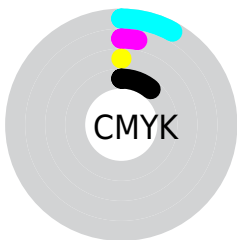
Distribution



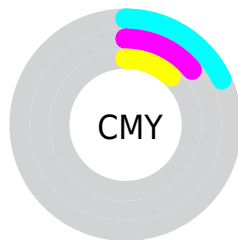
- Red (82%)
- Green (86%)
- Blue (89%)



- Red (82%)
- Yellow (85%)
- Blue (89%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (11%)



- Cyan (18%)
- Magenta (14%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 4.928, 238.944 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, 4.928, 238.944 by changing the saturation by 10% instead.

■ 87, 4.928, 238.944

■ 87, 4.928, 238.944

■ 100, 4.928,
238.944

■ 77, 4.928, 238.944

■ 67, 4.928, 238.944

■ 57, 4.928, 238.944

■ 47, 4.928, 238.944

■ 37, 4.928, 238.944

■ 27, 4.928, 238.944

■ 17, 4.928, 238.944

■ 7, 4.928, 238.944

■ 0, 4.928, 238.944

87, 4.928, 238.944

87, 4.928, 238.944

83, 11.262,
240.000

91, 1.632, 57.571

80, 17.310,
241.396

94, 8.363, 57.076

76, 23.006,
243.142

96, 10.017, 84.840

73, 28.292,
245.310

98, 13.164,
103.666

70, 33.121,
247.985

99, 14.831,
109.057

67, 37.483,
251.250

64, 41.417,
255.160

61, 45.031,
259.713

■ 59, 48.507,
264.778

Harmonies

Complementary

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



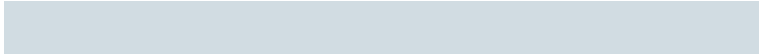
87, 4.928, 238.944



87, 5.099, 57.351

Rectangle

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



87, 4.928, 238.944



87, 4.928, 288.944



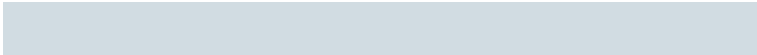
87, 4.928, 58.944



87, 4.928, 108.944

Sweetspot

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



87, 4.928, 238.919



99, 1.462, 238.671



88, 8.433, 155.878



53, 0.831, 238.682



0, 0.000, 0.000



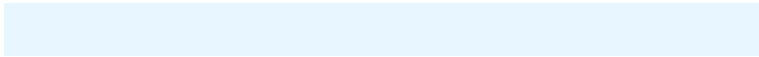
53, 0.007, 296.813

Same Dimension

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



87, 4.928, 238.919



96, 6.485, 239.060



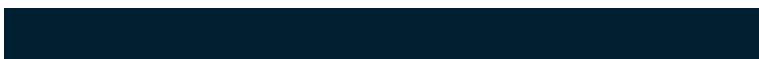
85, 7.644, 284.123



45, 3.686, 239.097



46, 40.559, 265.085



11, 15.094, 255.047

Inverse Universe

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



85, 8.466, 336.994



94, 11.186, 337.115



89, 7.548, 102.413



44, 6.364, 337.145



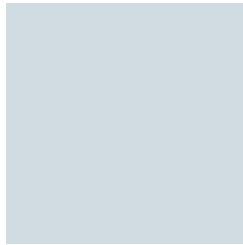
39, 67.776, 348.854



7, 28.445, 344.548

Previews

White Background



This preview shows how the CIELCh color 87, 4.928, 238.944 looks on a white background.

Color Contrast Check

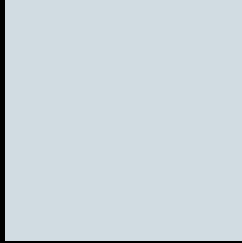
Large Text (above 18pt) WCAG AA × Fail

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, 4.928, 238.944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

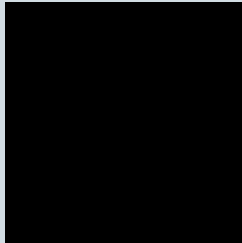
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

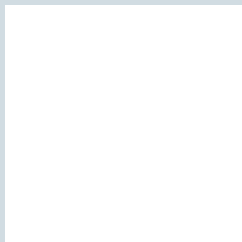
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 4.928, 238.944

Background



This preview shows how black text looks on a background with the CIELCh color 87, 4.928, 238.944.

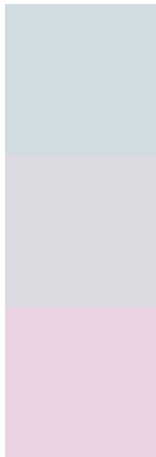


This preview shows how white text looks on a background with the CIELCh color 87, 4.928, 238.944.

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, 4.928, 238.944

Protanopia

87, 3.838, 306.655

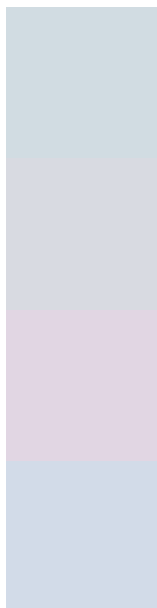
Deuteranopia

87, 11.802, 335.108



Tritanopia
87, 9.265, 273.605

Trichromacy



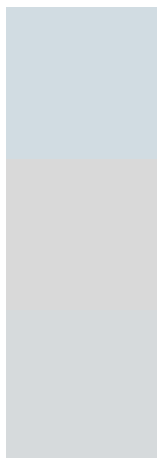
Original Color
87, 4.928, 238.944

Protanomaly
87, 3.726, 279.552

Deuteranomaly
87, 7.902, 320.405

Tritanomaly
87, 7.429, 265.900

Monochromacy



Original Color
87, 4.928, 238.944

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 1.760, 236.217

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 4.928, 238.944 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(209, 220, 226)` looks like.

```
.text, #text, p{  
    color:rgb(209, 220, 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(209, 220, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 220, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 4.928, 238.944 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(209, 220, 226) }
```

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

```
.border{ border-color:rgb(209, 220, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 220, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 220, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 220, 226);  
box-shadow:4px 4px 4px 4px rgb(209, 220,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 4.928, 238.944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 220, 226) }
```

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

```
.background{ background-color: rgb(209,  
220, 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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