

Converting Colors

CIELCh(87, 11.889, 129.032)

Have a look what the booklet for
CIELCh(87, 11.889, 129.032)
contains.

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Color

CIELCh(87, 12.185, 128.640)

Conversions

Conversions Part 1

Format	Color
Hex	D3DEC8
RGB	211, 222, 200
RGB Percent	83%, 87%, 78%
CMY	0.1739, 0.1308, 0.2170
CMYK	0.05, 0.00, 0.10, 0.13
HSL	90°, 25%, 83%
HSV	90°, 10%, 87%
XYZ	63.1763, 70.0064, 64.6146
YIQ	216.2030, 0.5060, -9.1740

Conversions

Conversions Part 2

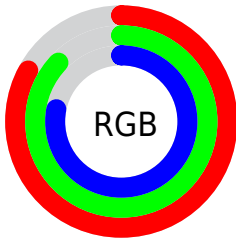
Format	Color
R _Y B	200, 222, 211
Decimal	13885128
CIE Lab	87.00, -7.61, 9.52
CIE LCh	87, 12.185, 128.640
Yxy	70.0064, 0.3194, 0.3539
Android (android.graphics.Color)	4292075208 (0xFFD3DEC8)
YUV	216.2030, -7.9881, -4.5630
Hunter-Lab	83.6698, -11.6429, 12.7818

Details

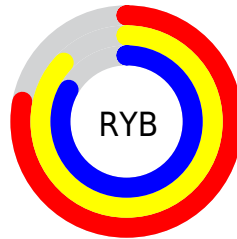
The CIELCh color **87, 12.185, 128.640** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82, 12.362, 309.509**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 12.341, 129.362** is the 20% darker color. If you saturate the color by 10%, you get **86, 24.489, 128.167**, and if you desaturate by 10%, it is **88, 0.104, 307.843**.

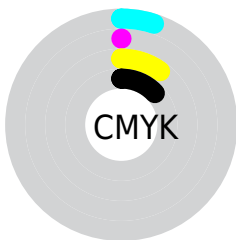
Distribution



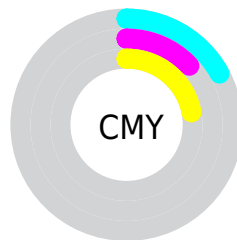
- Red (83%)
- Green (87%)
- Blue (78%)



- Red (78%)
- Yellow (87%)
- Blue (83%)



- Cyan (5%)
- Magenta (0%)
- Yellow (10%)
- Black (13%)



- Cyan (17%)
- Magenta (13%)
- Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 12.185, 128.640 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, 12.185, 128.640 by changing the saturation by 10% instead.

 87, 12.185,
128.640

 87, 12.185,
128.640


 100, 12.185,
128.640

 77, 12.185,
128.640

 67, 12.185,
128.640

 57, 12.185,
128.640

 47, 12.185,
128.640

 37, 12.185,
128.640

 27, 12.185,
128.640

 17, 12.185,

128.640

■ 7, 12.185, 128.640

■ 0, 12.185, 128.640

■ 87, 12.185,
128.640

■ 87, 12.185,
128.640

■ 86, 24.489,
128.167

■ 88, 0.104, 307.843

■ 85, 36.702,
127.678

■ 90, 12.314,
309.474

■ 84, 48.685,
127.197

■ 91, 19.024,
315.235

■ 83, 60.233,
126.762

■ 92, 20.869,
325.145

■ 82, 71.050,

■ 92, 20.870,
325.150

126.436

■ 81, 80.721,
126.311

■ 80, 88.727,
126.509

■ 80, 94.573,
127.157

■ 79, 98.297,
128.235

Harmonies

Complementary

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



87, 12.185, 128.640



82, 12.362, 309.509

Rectangle

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



87, 12.185, 128.640



87, 12.185, 178.640



87, 12.185, 308.640



87, 12.185, 358.640

Sweetspot

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



87, 12.187, 128.644



100, 4.114, 128.977



85, 7.056, 74.154



53, 3.121, 128.934



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, 12.187, 128.644



98, 16.518, 128.542



86, 14.092, 143.873



46, 6.911, 128.667



63, 81.641, 127.972



16, 29.303, 128.419

Inverse Universe

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



82, 12.362, 309.509



91, 16.799, 309.614



83, 14.112, 324.967



43, 7.006, 309.485



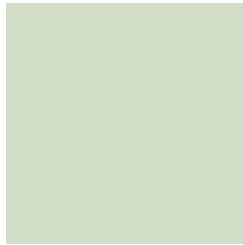
27, 93.403, 311.953



3, 31.242, 309.405

Previews

White Background



This preview shows how the CIELCh color 87, 12.185, 128.640 looks on a white background.

Color Contrast Check

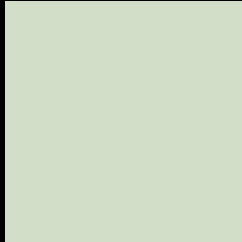
Large Text (above 18pt) WCAG AA × Fail

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, 12.185, 128.640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

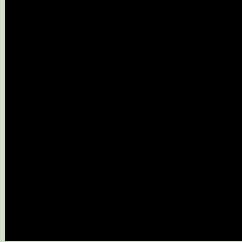
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

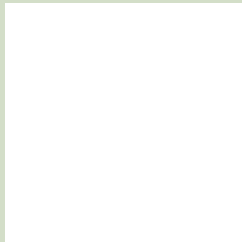
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 12.185, 128.640

Background



This preview shows how black text looks on a background with the CIELCh color 87, 12.185, 128.640.



This preview shows how white text looks on a background with the CIELCh color 87, 12.185, 128.640.

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, 12.185, 128.640

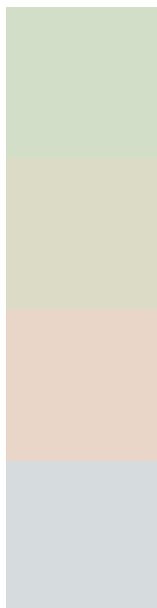
Protanopia
87, 10.948, 91.310

Deuteranopia
87, 13.876, 37.683



Tritanopia
87, 8.906, 288.687

Trichromacy



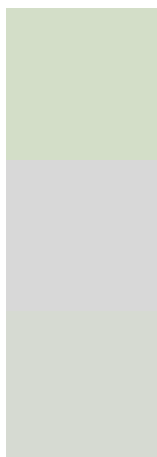
Original Color
87, 12.185, 128.640

Protanomaly
87, 10.941, 107.297

Deuteranomaly
87, 9.836, 63.176

Tritanomaly
87, 2.355, 241.411

Monochromacy



Original Color
87, 12.185, 128.640

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 4.434, 128.938

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 12.185, 128.640 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(211, 222, 200)` looks like.

```
.text, #text, p{  
    color:rgb(211, 222, 200)  
}
```

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(211, 222, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 222, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 12.185, 128.640 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(211, 222, 200) }
```

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

```
.border{ border-color:rgb(211, 222, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 222, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 222, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 222, 200);  
box-shadow:4px 4px 4px 4px rgb(211, 222,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 12.185, 128.640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 222, 200) }
```

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

```
.background{ background-color: rgb(211,  
222, 200) }
```

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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