

Converting Colors

CIELCh(87, 11.190, 120.705)

Have a look what the booklet for
CIELCh(87, 11.190, 120.705)
contains.

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Color

CIELCh(87, 11.172, 120.713)

Conversions

Conversions Part 1

Format	Color
Hex	D7DDC8
RGB	215, 221, 200
RGB Percent	84%, 87%, 78%
CMY	0.1586, 0.1351, 0.2174
CMYK	0.03, 0.00, 0.10, 0.14
HSL	77°, 23%, 82%
HSV	77°, 10%, 86%
XYZ	64.0063, 70.0064, 64.5138
YIQ	216.8120, 3.1650, -7.8030

Conversions

Conversions Part 2

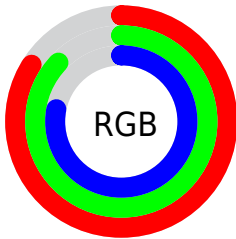
Format	Color
R _Y B	200, 221, 206
Decimal	14147016
CIE Lab	87.00, -5.71, 9.60
CIE LCh	87, 11.172, 120.713
Yxy	70.0064, 0.3224, 0.3526
Android (android.graphics.Color)	4292337096 (0xFFD7DDC8)
YUV	216.8120, -8.2883, -1.5891
Hunter-Lab	83.6698, -9.8721, 12.8532

Details

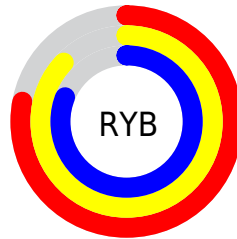
The CIELCh color **87, 11.172, 120.713** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81, 11.391, 301.847**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 11.246, 121.129** is the 20% darker color. If you saturate the color by 10%, you get **86, 22.879, 120.117**, and if you desaturate by 10%, it is **88, 0.575, 301.216**.

Distribution



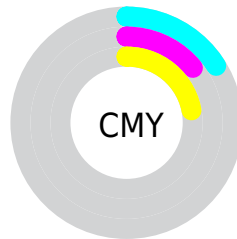
- Red (84%)
- Green (87%)
- Blue (78%)



- Red (78%)
- Yellow (87%)
- Blue (81%)



- Cyan (3%)
- Magenta (0%)
- Yellow (10%)
- Black (14%)





- Cyan (16%)
- Magenta (14%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 11.172, 120.713 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, 11.172, 120.713 by changing the saturation by 10% instead.


 87, 11.172,
120.713


 87, 11.172,
120.713


 100, 11.172,
120.713


 77, 11.172,
120.713


 67, 11.172,
120.713

 57, 11.172,
120.713

 47, 11.172,
120.713

 37, 11.172,
120.713

 27, 11.172,
120.713

 17, 11.172,

120.713

■ 7, 11.172, 120.713

■ 0, 11.172, 120.713

■ 87, 11.172,
120.713

■ 87, 11.172,
120.713

■ 86, 22.879,
120.117

■ 88, 0.575, 301.216

■ 85, 34.452,
119.514

■ 89, 12.308,
301.849

■ 84, 45.765,
118.934

■ 90, 18.538,
305.316

■ 84, 56.625,
118.413

■ 90, 19.173,
311.653

■ 83, 66.746,

■ 91, 20.025,
317.590

118.008

91, 21.073,
323.056

82, 75.720,
117.798

92, 21.559,
325.175

82, 83.030,
117.889

82, 88.180,
118.387

81, 91.178,
119.305

Harmonies

Complementary

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



87, 11.172, 120.713



81, 11.391, 301.847

Rectangle

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



87, 11.172, 120.713



87, 11.172, 170.713



87, 11.172, 300.713



87, 11.172, 350.713

Sweetspot

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



87, 11.174, 120.719



100, 3.954, 121.109



84, 6.406, 48.862



53, 2.999, 121.059



0, 0.000, 0.000



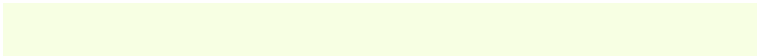
53, 0.007, 296.813

Same Dimension

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



87, 11.174, 120.719



99, 14.524, 120.625



86, 12.567, 137.894



46, 6.633, 120.724



65, 76.194, 119.123



17, 27.508, 119.449

Inverse Universe

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



81, 11.391, 301.847



92, 14.847, 301.951



82, 12.643, 318.709



42, 6.760, 301.841



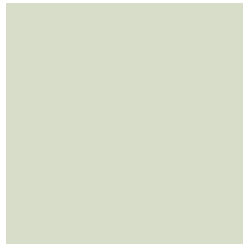
23, 97.429, 308.188



3, 30.140, 302.009

Previews

White Background



This preview shows how the CIELCh color 87, 11.172, 120.713 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, 11.172, 120.713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

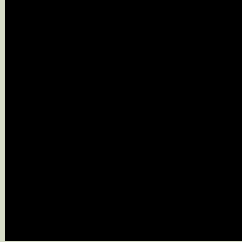
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

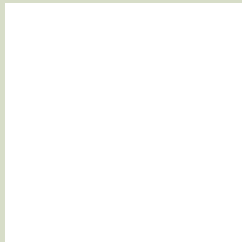
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 11.172, 120.713

Background



This preview shows how black text looks on a background with the CIELCh color 87, 11.172, 120.713.



This preview shows how white text looks on a background with the CIELCh color 87, 11.172, 120.713.

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](#).

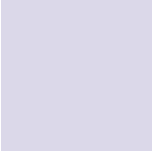
Dichromacy



Original Color
87, 11.172, 120.713

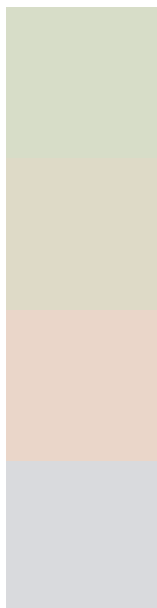
Protanopia
87, 10.451, 90.501

Deuteranopia
87, 13.876, 37.683



Tritanopia
87, 8.988, 297.622

Trichromacy



Original Color
87, 11.172, 120.713

Protanomaly
87, 10.004, 100.759

Deuteranomaly
87, 10.117, 61.702

Tritanomaly
87, 1.613, 277.567

Monochromacy



Original Color
87, 11.172, 120.713

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 4.323, 124.423

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 11.172, 120.713 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(215, 221, 200)` looks like.

```
.text, #text, p{  
    color:rgb(215, 221, 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(215, 221, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 221, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 11.172, 120.713 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(215, 221, 200) }
```

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

```
.border{ border-color:rgb(215, 221, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 221, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 221, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 221, 200);  
box-shadow:4px 4px 4px 4px rgb(215, 221,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 11.172, 120.713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 221, 200) }
```

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

```
.background{ background-color: rgb(215,  
221, 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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