

Converting Colors

CIELCh(87, 1.135, 110.974)

Have a look what the booklet for
CIELCh(87, 1.135, 110.974) contains.

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Color

CIELCh(87, 1.035, 110.024)

Conversions

Conversions Part 1

Format	Color
Hex	DADAD8
RGB	218, 218, 216
RGB Percent	85%, 85%, 85%
CMY	0.1451, 0.1451, 0.1529
CMYK	0.00, 0.00, 0.01, 0.15
HSL	60°, 3%, 85%
HSV	60°, 1%, 85%
XYZ	66.3798, 70.0064, 74.9797
YIQ	217.7720, 0.6420, -0.6220

Conversions

Conversions Part 2

Format	Color
R_{YB}	216, 218, 216
Decimal	14342872
CIE Lab	87.00, -0.35, 0.97
CIE LCh	87, 1.035, 110.024
Yxy	70.0064, 0.3141, 0.3312
Android (android.graphics.Color)	4292532952 (0xFFDADAD8)
YUV	217.7720, -0.8736, 0.2000
Hunter-Lab	83.6698, -4.8086, 5.4368

Details

The CIELCh color **87, 1.035, 110.024** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **86, 1.059, 290.405**, 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, 1.095, 110.013** is the 20% darker color. If you saturate the color by 10%, you get **86, 12.407, 109.201**, and if you desaturate by 10%, it is **88, 10.358, 291.112**.

Distribution



Red (85%)

Green (85%)

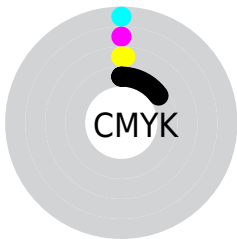
Blue (85%)



Red (85%)

Yellow (85%)

Blue (85%)



Cyan (0%)

Magenta (0%)

Yellow (1%)

Black (15%)



Cyan (15%)

Magenta (15%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 1.035, 110.024 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, 1.035, 110.024 by changing the saturation by 10% instead.

■ 87, 1.035, 110.024

■ 87, 1.035, 110.024

100, 1.035,
110.024

■ 77, 1.035, 110.024

■ 67, 1.035, 110.024

■ 57, 1.035, 110.024

■ 47, 1.035, 110.024

■ 37, 1.035, 110.024

■ 27, 1.035, 110.024

■ 17, 1.035, 110.024

■ 7, 1.035, 110.024

■ 0, 1.035, 110.024

87, 1.035, 110.024

87, 1.035, 110.024

86, 12.407,
109.201

88, 10.358,
291.112

86, 23.697,
108.234

88, 19.340,
291.838

86, 34.818,
107.272

88, 19.341,
291.879

85, 45.638,
106.335

88, 19.341,
291.920

85, 55.946,
105.448

88, 19.341,
291.961

85, 65.429,
104.644

88, 19.341,
292.002

85, 73.642,
103.962

88, 19.342,
292.043

85, 80.047,
103.442

88, 19.342,
292.084

■ 85, 84.174,
103.116

■ 88, 19.342,
292.125

Harmonies

Complementary

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



87, 1.035, 110.024



86, 1.059, 290.405

Rectangle

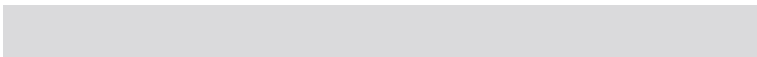
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 1.035, 110.024



87, 1.035, 160.024



87, 1.035, 290.024



87, 1.035, 340.024

Sweetspot

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



87, 1.037, 110.101

100, 0.012, 296.813



86, 0.724, 18.651



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

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



87, 1.037, 110.101



100, 1.282, 110.098



87, 1.102, 129.143



46, 0.644, 110.100



69, 72.578, 102.970



18, 26.500, 104.270

Inverse Universe

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



86, 1.059, 290.405



99, 1.308, 290.408



86, 1.124, 308.996



46, 0.657, 290.406



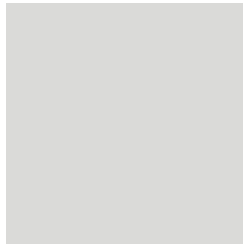
20, 100.206, 306.293



2, 29.604, 294.963

Previews

White Background



This preview shows how the CIELCh color 87, 1.035, 110.024 looks on a white background.

Color Contrast Check

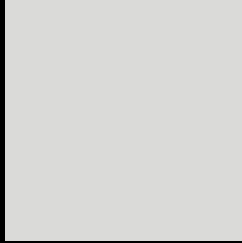
Large Text (above 18pt) WCAG AA × Fail

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, 1.035, 110.024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

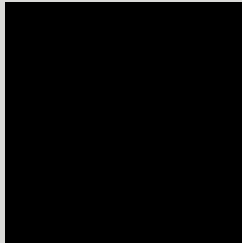
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

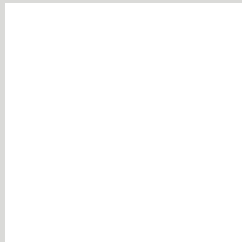
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 1.035, 110.024

Background



This preview shows how black text looks on a background with the CIELCh color 87, 1.035, 110.024.

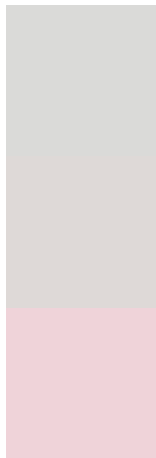


This preview shows how white text looks on a background with the CIELCh color 87, 1.035, 110.024.

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

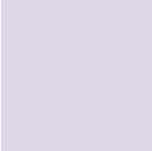
87, 1.035, 110.024

Protanopia

87, 2.079, 49.336

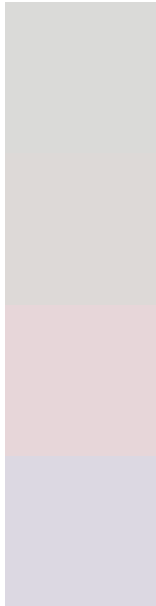
Deuteranopia

87, 10.729, 3.247



Tritanopia
87, 9.190, 304.162

Trichromacy



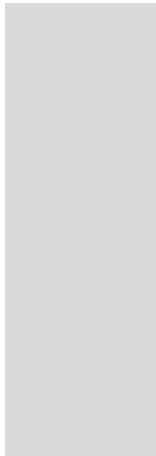
Original Color
87, 1.035, 110.024

Protanomaly
87, 1.773, 55.187

Deuteranomaly
87, 6.397, 5.643

Tritanomaly
87, 5.452, 305.702

Monochromacy



Original Color
87, 1.035, 110.024

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 0.512, 110.001

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 1.035, 110.024 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(218, 218, 216)` looks like.

```
.text, #text, p{  
    color:rgb(218, 218, 216)  
}
```

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(218, 218, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 218, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 1.035, 110.024 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(218, 218, 216) }
```

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

```
.border{ border-color:rgb(218, 218, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 218, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 218, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 218, 216);  
box-shadow:4px 4px 4px 4px rgb(218, 218,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 1.035, 110.024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 218, 216) }
```

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

```
.background{ background-color: rgb(218,  
218, 216) }
```

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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