

Converting Colors

CIELCh(86, 2.689, 110.830)

Have a look what the booklet for
CIELCh(86, 2.689, 110.830) contains.

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Color

CIELCh(86, 2.609, 109.930)

Conversions

Conversions Part 1

Format	Color
Hex	D7D7D2
RGB	215, 215, 210
RGB Percent	84%, 84%, 82%
CMY	0.1553, 0.1553, 0.1749
CMYK	0.00, 0.00, 0.02, 0.16
HSL	60°, 6%, 83%
HSV	60°, 2%, 84%
XYZ	64.2284, 67.9871, 70.9721
YIQ	214.4300, 1.6050, -1.5550

Conversions

Conversions Part 2

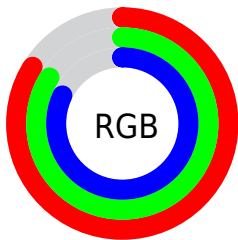
Format	Color
RYB	210, 215, 210
Decimal	14145490
CIELab	86.00, -0.89, 2.45
CIELCh	86, 2.609, 109.930
Yxy	67.9871, 0.3161, 0.3346
Android (android.graphics.Color)	4292335570 (0xFFD7D7D2)
YUV	214.4300, -2.1840, 0.4999
Hunter-Lab	82.4543, -5.2512, 6.6845

Details

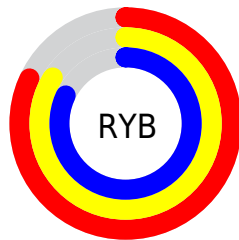
The CIELCh color `86, 2.609, 109.930` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `84, 2.644, 290.459`, and the grayscale version is `86, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `66, 2.205, 109.920` is the 20% darker color. If you saturate the color by 10%, you get `85, 13.864, 109.019`, and if you desaturate by 10%, it is `87, 8.673, 290.938`.

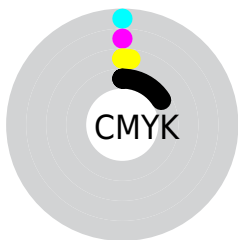
Distribution



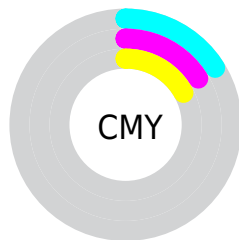
- Red (84%)
- Green (84%)
- Blue (82%)



- Red (82%)
- Yellow (84%)
- Blue (82%)



- Cyan (0%)
- Magenta (0%)
- Yellow (2%)
- Black (16%)



- Cyan (16%)
- Magenta (16%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 2.609, 109.930 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 86, 2.609, 109.930 by changing the saturation by 10% instead.

■ 86, 2.609, 109.930

■ 86, 2.609, 109.930

■ 100, 2.609,
109.930

■ 76, 2.609, 109.930

■ 66, 2.609, 109.930

■ 56, 2.609, 109.930

■ 46, 2.609, 109.930

■ 36, 2.609, 109.930

■ 26, 2.609, 109.930

■ 16, 2.609, 109.930

■ 6, 2.609, 109.930

■ 0, 2.609, 109.930

86, 2.609, 109.930

86, 2.609, 109.930

85, 13.864,
109.019

87, 8.673, 290.938

85, 25.027,
108.051

87, 19.949,
291.849

85, 36.008,
107.090

87, 20.742,
291.927

84, 46.668,
106.157

87, 20.742,
291.942

84, 56.786,
105.278

87, 20.742,
291.957

84, 66.034,
104.487

87, 20.742,
291.972

84, 73.957,
103.822

87, 20.742,
291.987

84, 80.018,
103.324

87, 20.742,
292.002

■ 84, 83.783,
103.021

■ 87, 20.742,
292.017

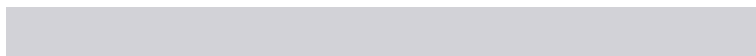
Harmonies

Complementary

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



86, 2.609, 109.930



84, 2.644, 290.459

Rectangle

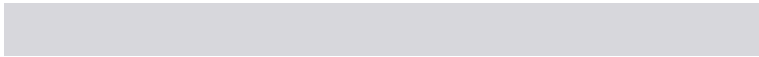
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86, 2.609, 109.930



86, 2.609, 159.930



86, 2.609, 289.930



86, 2.609, 339.930

Sweetspot

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



86, 2.611, 109.961



100, 1.282, 110.052



85, 1.821, 19.225



53, 0.729, 110.054



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 2.611, 109.961



100, 3.868, 109.900



86, 2.776, 129.013



45, 2.542, 109.833



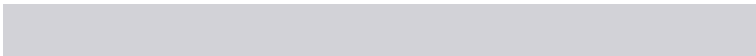
68, 71.786, 102.899



17, 25.020, 104.538

Inverse Universe

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



84, 2.644, 290.459



98, 3.916, 290.523



85, 2.804, 309.125



44, 2.574, 290.593



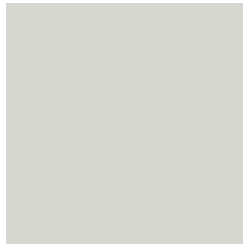
20, 99.119, 306.290



2, 27.577, 294.061

Previews

White Background



This preview shows how the CIELCh color 86, 2.609, 109.930 looks on a white background.

Color Contrast Check

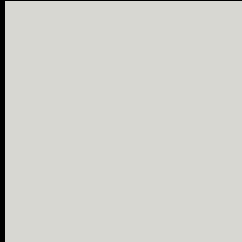
Large Text (above 18pt) WCAG AA × Fail

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 86, 2.609, 109.930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

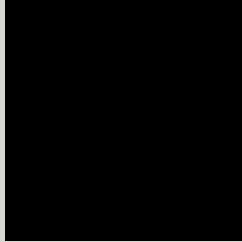
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

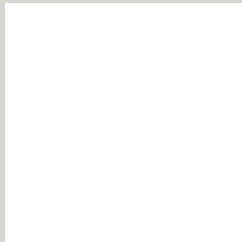
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 2.609, 109.930

Background



This preview shows how black text looks on a background with the CIELCh color 86, 2.609, 109.930.

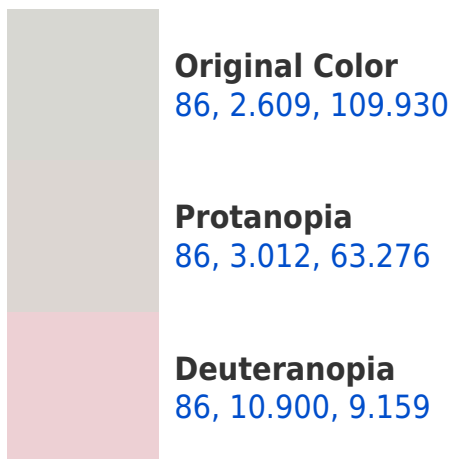



This preview shows how white text looks on a background with the CIELCh color 86, 2.609, 109.930.

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





Tritanopia
86, 8.614, 302.665

Trichromacy



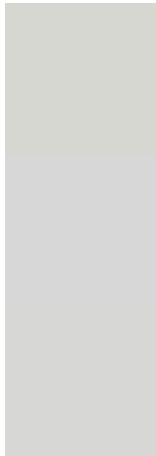
Original Color
86, 2.609, 109.930

Protanomaly
86, 2.818, 87.089

Deuteranomaly
86, 6.612, 19.807

Tritanomaly
86, 4.353, 304.752

Monochromacy



Original Color
86, 2.609, 109.930

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 1.038, 110.024

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 2.609, 109.930 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, 215, 210)` looks like.

```
.text, #text, p{  
    color:rgb(215, 215, 210)  
}
```

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, 215, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 215, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 2.609, 109.930 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, 215, 210) }
```

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

```
.border{ border-color:rgb(215, 215, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 215, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 215, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 215, 210);  
box-shadow:4px 4px 4px 4px rgb(215, 215,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 2.609, 109.930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 215, 210) }
```

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

```
.background{ background-color: rgb(215,  
215, 210) }
```

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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