

Converting Colors

CIELCh(86, 1.027, 296.765)

Have a look what the booklet for
CIELCh(86, 1.027, 296.765) contains.

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Color

CIELCh(86, 1.058, 290.331)

Conversions

Conversions Part 1

Format	Color
Hex	D7D7D9
RGB	215, 215, 217
RGB Percent	84%, 84%, 85%
CMY	0.1572, 0.1572, 0.1494
CMYK	0.01, 0.01, 0.00, 0.15
HSL	240°, 3%, 85%
HSV	240°, 1%, 85%
XYZ	64.7819, 67.9871, 75.2863
YIQ	215.2280, -0.6420, 0.6220

Conversions

Conversions Part 2

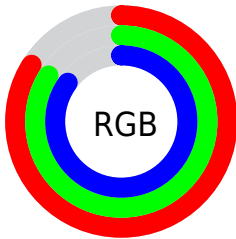
Format	Color
RYB	215, 215, 217
Decimal	14145497
CIELab	86.00, 0.37, -0.99
CIELCh	86, 1.058, 290.331
Yxy	67.9871, 0.3114, 0.3268
Android (android.graphics.Color)	4292335577 (0xFFD7D7D9)
YUV	215.2280, 0.8736, -0.2000
Hunter-Lab	82.4543, -4.0528, 3.5823

Details

The CIELCh color `86, 1.058, 290.331` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `87, 1.034, 109.951`, 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, 1.115, 290.343` is the 20% darker color. If you saturate the color by 10%, you get `79, 12.650, 291.252`, and if you desaturate by 10%, it is `93, 10.091, 109.295`.

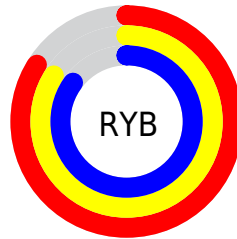
Distribution



Red (84%)

Green (84%)

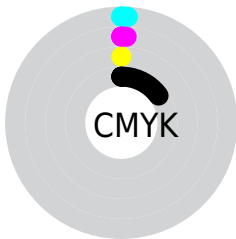
Blue (85%)



Red (84%)

Yellow (84%)

Blue (85%)

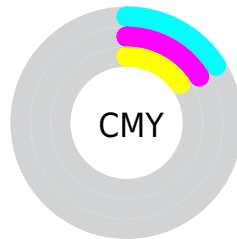


Cyan (1%)

Magenta (1%)

Yellow (0%)

Black (15%)



Cyan (16%)

Magenta (16%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 1.058, 290.331 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, 1.058, 290.331 by changing the saturation by 10% instead.

■ 86, 1.058, 290.331

■ 86, 1.058, 290.331

100, 1.058,
290.331

■ 76, 1.058, 290.331

■ 66, 1.058, 290.331

■ 56, 1.058, 290.331

■ 46, 1.058, 290.331

■ 36, 1.058, 290.331

■ 26, 1.058, 290.331

■ 16, 1.058, 290.331

■ 6, 1.058, 290.331

■ 0, 1.058, 290.331

86, 1.058, 290.331

86, 1.058, 290.331

79, 12.650,
291.252

93, 10.091,
109.295

72, 24.729,
292.492

99, 19.259,
108.720

64, 37.331,
293.955

57, 50.478,
295.664

50, 64.144,
297.621

43, 78.153,
299.781

37, 91.976,
302.006

32, 104.434,
304.035

■ 29,113.640,
305.521

Harmonies

Complementary

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



86, 1.058, 290.331



87, 1.034, 109.951

Rectangle

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



86, 1.058, 290.331



86, 1.058, 340.331



86, 1.058, 110.331



86, 1.058, 160.331

Sweetspot

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



86, 1.056, 290.259

100, 0.012, 296.813



87, 0.717, 198.778



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

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



86, 1.056, 290.259



99, 1.305, 290.262



86, 1.118, 308.418



46, 0.656, 290.260



20, 100.128, 306.263



2, 29.564, 294.878

Inverse Universe

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



86, 0.723, 18.501



99, 0.895, 18.576



87, 1.097, 128.553



46, 0.449, 18.521



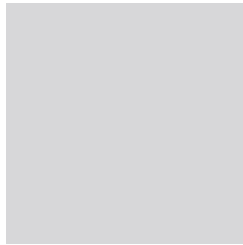
36, 78.155, 39.854



5, 23.837, 20.190

Previews

White Background



This preview shows how the CIELCh color 86, 1.058, 290.331 looks on a white background.

Color Contrast Check

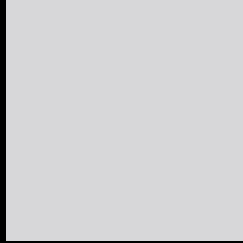
Large Text (above 18pt) WCAG AA × Fail

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, 1.058, 290.331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

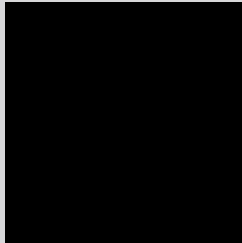
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

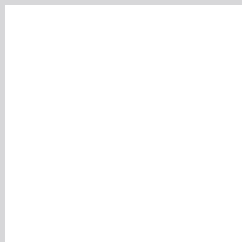
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 1.058, 290.331

Background



This preview shows how black text looks on a background with the CIELCh color 86, 1.058, 290.331.

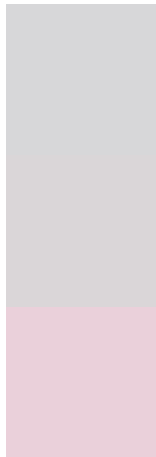


This preview shows how white text looks on a background with the CIELCh color 86, 1.058, 290.331.

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

86, 1.058, 290.331

Protanopia

86, 1.800, 343.560

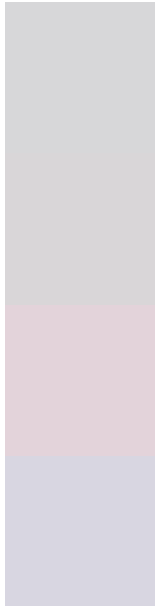
Deuteranopia

86, 10.843, 351.360



Tritanopia
86, 9.063, 299.834

Trichromacy



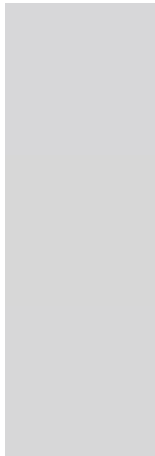
Original Color
86, 1.058, 290.331

Protanomaly
86, 1.523, 335.519

Deuteranomaly
86, 6.889, 347.712

Tritanomaly
86, 5.833, 297.640

Monochromacy



Original Color
86, 1.058, 290.331

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 0.534, 290.350

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 1.058, 290.331 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(215, 215, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 215, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 1.058, 290.331 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, 217) }
```

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

```
.border{ border-color:rgb(215, 215, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 215, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 215, 217);  
box-shadow:4px 4px 4px 4px rgb(215, 215,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 1.058, 290.331 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, 217) }
```

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

```
.background{ background-color: rgb(215,  
215, 217) }
```

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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