

Converting Colors

CIELCh(86, 1.224, 98.014)

Have a look what the booklet for
CIELCh(86, 1.224, 98.014) contains.

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Color

CIELCh(86, 1.095, 90.722)

Conversions

Conversions Part 1

Format	Color
Hex	D8D7D5
RGB	216, 215, 213
RGB Percent	85%, 84%, 84%
CMY	0.1530, 0.1569, 0.1648
CMYK	0.00, 0.00, 0.01, 0.15
HSL	40°, 4%, 84%
HSV	40°, 1%, 85%
XYZ	64.6136, 67.9871, 72.6523
YIQ	215.0710, 1.2380, -0.4100

Conversions

Conversions Part 2

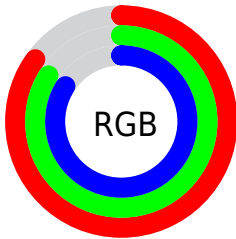
Format	Color
R _Y B	215, 216, 213
Decimal	14211029
CIE Lab	86.00, -0.01, 1.09
CIE LCh	86, 1.095, 90.722
Yxy	67.9871, 0.3148, 0.3312
Android (android.graphics.Color)	4292401109 (0xFFD8D7D5)
YUV	215.0710, -1.0210, 0.8147
Hunter-Lab	82.4543, -4.4171, 5.4763

Details

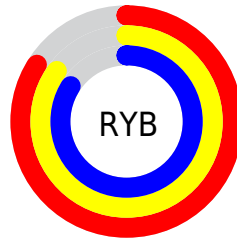
The CIELCh color `86, 1.095, 90.722` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `86, 1.114, 271.622`, and the grayscale version is `86, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `66, 1.159, 90.725` is the 20% darker color. If you saturate the color by 10%, you get `84, 9.153, 89.781`, and if you desaturate by 10%, it is `88, 6.791, 272.293`.

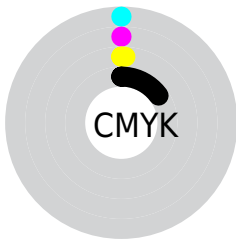
Distribution



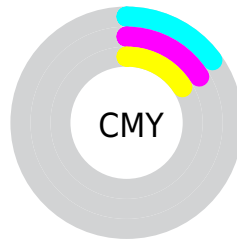
- Red (85%)
- Green (84%)
- Blue (84%)



- Red (84%)
- Yellow (85%)
- Blue (84%)



- Cyan (0%)
- Magenta (0%)
- Yellow (1%)
- Black (15%)





- Cyan (15%)
- Magenta (16%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 1.095, 90.722 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, 1.095, 90.722 by changing the saturation by 10% instead.

 86, 1.095, 90.722	 86, 1.095, 90.722
100, 1.095, 90.722	 76, 1.095, 90.722
	 66, 1.095, 90.722
	 56, 1.095, 90.722
	 46, 1.095, 90.722
	 36, 1.095, 90.722
	 26, 1.095, 90.722
	 16, 1.095, 90.722
	 6, 1.095, 90.722
	 0, 1.095, 90.722

86, 1.095, 90.722

86, 1.095, 90.722

84, 9.153, 89.781

88, 6.791, 272.293

81, 17.379, 88.502

91, 13.943,
272.567

79, 25.760, 87.174

93, 11.625,
254.675

77, 34.251, 85.804

75, 42.759, 84.391

94, 10.832,
231.604

73, 51.094, 82.921

96, 11.838,
209.142

71, 58.911, 81.355

69, 65.620, 79.612

97, 13.099,
198.631

67, 70.401, 77.541

Harmonies

Complementary

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



86, 1.095, 90.722



86, 1.114, 271.622

Rectangle

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



86, 1.095, 90.722



86, 1.095, 140.722



86, 1.095, 270.722



86, 1.095, 320.722

Sweetspot

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



86, 1.096, 90.824

100, 0.012, 296.813



86, 1.215, 353.412



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, 1.096, 90.824



99, 1.812, 90.820



86, 1.573, 116.606



45, 0.892, 90.825



53, 61.150, 75.941



12, 18.173, 78.751

Inverse Universe

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



86, 1.114, 271.622



99, 1.832, 271.630



85, 1.598, 296.805



45, 0.903, 271.624



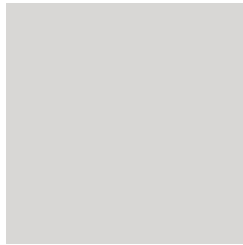
29, 72.163, 296.457



5, 21.210, 284.306

Previews

White Background



This preview shows how the CIELCh color 86, 1.095, 90.722 looks on a white background.

Color Contrast Check

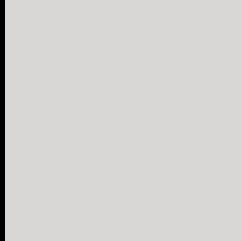
Large Text (above 18pt) WCAG AA × Fail

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 86, 1.095, 90.722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

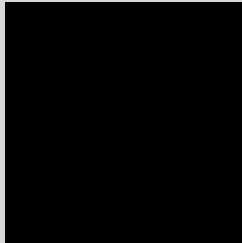
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

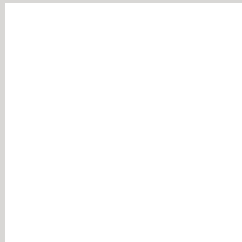
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 1.095, 90.722

Background



This preview shows how black text looks on a background with the CIELCh color 86, 1.095, 90.722.

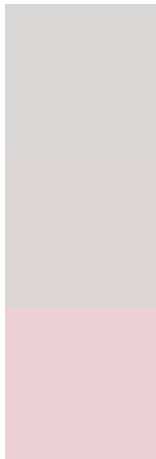


This preview shows how white text looks on a background with the CIELCh color 86, 1.095, 90.722.

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, 1.095, 90.722

Protanopia

86, 2.085, 49.337

Deuteranopia

86, 10.759, 3.262



Tritanopia
86, 9.213, 304.167

Trichromacy



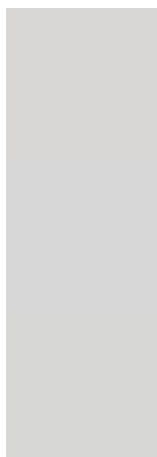
Original Color
86, 1.095, 90.722

Protanomaly
86, 1.777, 55.188

Deuteranomaly
86, 6.773, 6.454

Tritanomaly
86, 5.466, 305.705

Monochromacy



Original Color
86, 1.095, 90.722

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 0.514, 110.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 1.095, 90.722 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(216, 215, 213)` looks like.

```
.text, #text, p{  
    color:rgb(216, 215, 213)  
}
```

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(216, 215, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 215, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 1.095, 90.722 is called "border". The border property can be set on classes, ids or directly on the HTML element.

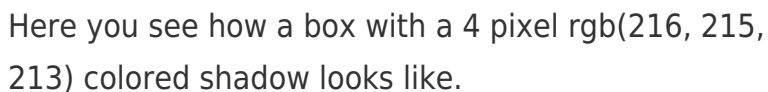
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 215, 213) }
```

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

```
.border{ border-color:rgb(216, 215, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 215, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 215, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 215, 213);  
box-shadow:4px 4px 4px 4px rgb(216, 215,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 1.095, 90.722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 215, 213) }
```

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

```
.background{ background-color: rgb(216,  
215, 213) }
```

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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