

Converting Colors

CIELCh(88, 4.274, 285.745)

Have a look what the booklet for
CIELCh(88, 4.274, 285.745) contains.

CIELCh(88, 4.194, 285.712)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(88, 4.194, 285.712)

Conversions

Conversions Part 1

Format	Color
Hex	DBDCE4
RGB	219, 220, 228
RGB Percent	86%, 86%, 89%
CMY	0.1400, 0.1361, 0.1047
CMYK	0.04, 0.04, 0.00, 0.10
HSL	233°, 14%, 88%
HSV	233°, 4%, 90%
XYZ	69.0178, 72.0653, 83.8873
YIQ	220.6130, -3.1640, 2.2760

Conversions

Conversions Part 2

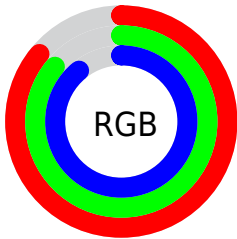
Format	Color
R _Y B	219, 220, 228
Decimal	14408932
CIE Lab	88.00, 1.14, -4.04
CIE LCh	88, 4.194, 285.712
Yxy	72.0653, 0.3068, 0.3203
Android (android.graphics.Color)	4292599012 (0xFFDBDCE4)
YUV	220.6130, 3.6418, -1.4146
Hunter-Lab	84.8913, -3.4367, 0.8351

Details

The CIELCh color **88, 4.194, 285.712** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **90, 4.146, 104.799**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **68, 4.422, 285.835** is the 20% darker color. If you saturate the color by 10%, you get **81, 15.059, 286.870**, and if you desaturate by 10%, it is **95, 6.306, 104.620**.

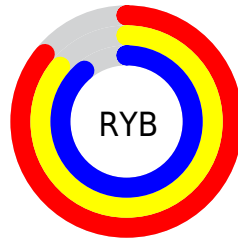
Distribution



Red (86%)

Green (86%)

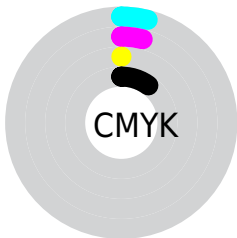
Blue (89%)



Red (86%)

Yellow (86%)

Blue (89%)

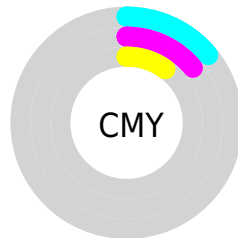


Cyan (4%)

Magenta (4%)

Yellow (0%)

Black (10%)



Cyan (14%)

Magenta (14%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 4.194, 285.712 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 88, 4.194, 285.712 by changing the saturation by 10% instead.

■ 88, 4.194, 285.712

■ 88, 4.194, 285.712

100, 4.194,
285.712

■ 78, 4.194, 285.712

■ 68, 4.194, 285.712

■ 58, 4.194, 285.712

■ 48, 4.194, 285.712

■ 38, 4.194, 285.712

■ 28, 4.194, 285.712

■ 18, 4.194, 285.712

■ 8, 4.194, 285.712

■ 0, 4.194, 285.712

88, 4.194, 285.712

88, 4.194, 285.712

81, 15.059,
286.870

95, 6.306, 104.620

74, 26.325,
288.274

99, 13.512,
109.156

67, 38.026,
289.923

61, 50.195,
291.848

54, 62.843,
294.060

47, 75.901,
296.532

41, 89.090,
299.161

36, 101.704,
301.737

■ 32, 112.436,
303.959

Harmonies

Complementary

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



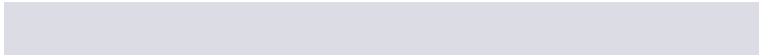
88, 4.194, 285.712



90, 4.146, 104.799

Rectangle

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



88, 4.194, 285.712



88, 4.194, 335.712



88, 4.194, 105.712



88, 4.194, 155.712

Sweetspot

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



88, 4.192, 285.693



99, 1.166, 285.461



90, 3.237, 189.666



53, 0.663, 285.461



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 4.192, 285.693



96, 5.823, 285.808



88, 4.881, 305.074



46, 3.647, 285.878



23, 96.718, 304.697



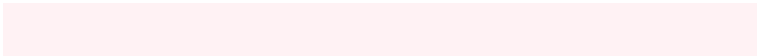
3, 31.078, 294.512

Inverse Universe

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



88, 3.301, 10.362



97, 4.594, 10.493



90, 4.831, 124.716



46, 2.880, 10.565



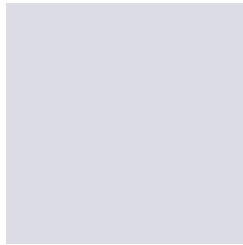
37, 75.247, 35.117



6, 26.796, 17.135

Previews

White Background



This preview shows how the CIELCh color 88, 4.194, 285.712 looks on a white background.

Color Contrast Check

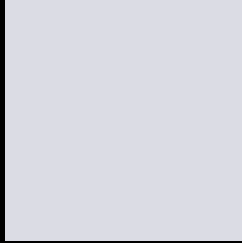
Large Text (above 18pt) WCAG AA × Fail

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 88, 4.194, 285.712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

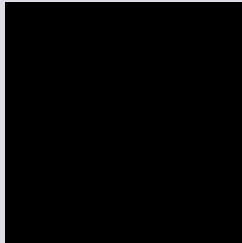
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

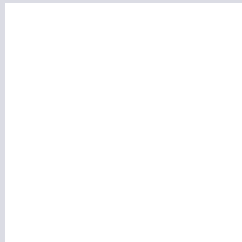
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 4.194, 285.712

Background



This preview shows how black text looks on a background with the CIELCh color 88, 4.194, 285.712.

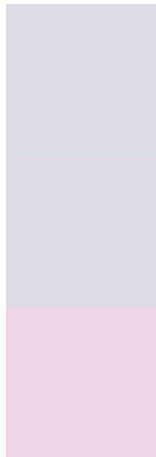


This preview shows how white text looks on a background with the CIELCh color 88, 4.194, 285.712.

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

88, 4.194, 285.712

Protanopia

88, 4.842, 303.249

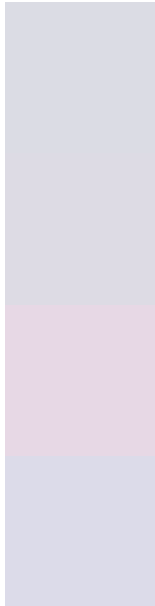
Deuteranopia

88, 12.027, 336.350



Tritanopia
88, 8.926, 295.392

Trichromacy



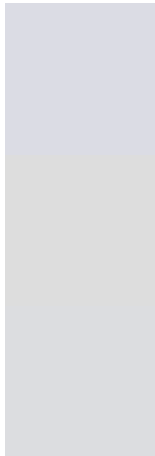
Original Color
88, 4.194, 285.712

Protanomaly
88, 4.773, 299.103

Deuteranomaly
88, 8.693, 328.653

Tritanomaly
88, 7.336, 293.525

Monochromacy



Original Color
88, 4.194, 285.712

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 1.609, 277.566

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 4.194, 285.712 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(219, 220, 228)` looks like.

```
.text, #text, p{  
    color:rgb(219, 220, 228)  
}
```

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(219, 220, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 220, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 4.194, 285.712 is called "border". The border property can be set on classes, ids or directly on the HTML element.

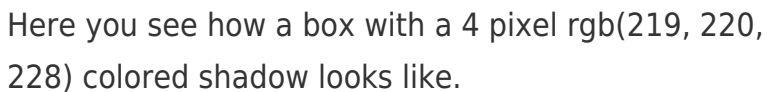
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(219, 220, 228) }
```

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

```
.border{ border-color:rgb(219, 220, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(219, 220, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 220, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 220, 228); box-shadow:4px 4px 4px 4px rgb(219, 220, 228) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 4.194, 285.712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 220, 228) }
```

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

```
.background{ background-color: rgb(219,  
220, 228) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor