

Converting Colors

CIELCh(83, 3.022, 33.992)

Have a look what the booklet for
CIELCh(83, 3.022, 33.992) contains.

CIELCh(83, 2.978, 29.620)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(83, 2.978, 29.620)

Conversions

Conversions Part 1

Format	Color
Hex	D5CDCC
RGB	213, 205, 204
RGB Percent	84%, 80%, 80%
CMY	0.1647, 0.1961, 0.2000
CMYK	0.00, 0.04, 0.04, 0.16
HSL	7°, 10%, 82%
HSV	7°, 4%, 84%
XYZ	60.1659, 62.1629, 65.9490
YIQ	207.2780, 5.0890, 1.3850

Conversions

Conversions Part 2

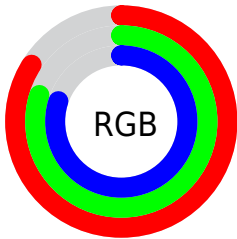
Format	Color
RYB	213, 205, 204
Decimal	14011852
CIELab	83.00, 2.59, 1.47
CIELCh	83, 2.978, 29.620
Yxy	62.1629, 0.3196, 0.3302
Android (android.graphics.Color)	4292201932 (0xFFD5CDCC)
YUV	207.2780, -1.6161, 5.0182
Hunter-Lab	78.8435, -1.7617, 5.5970

Details

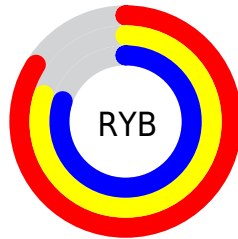
The CIELCh color **83, 2.978, 29.620** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **84, 2.899, 209.915**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **63, 2.775, 31.075** is the 20% darker color. If you saturate the color by 10%, you get **78, 10.444, 30.069**, and if you desaturate by 10%, it is **88, 3.908, 209.854**.

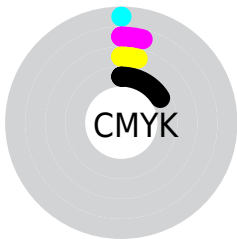
Distribution



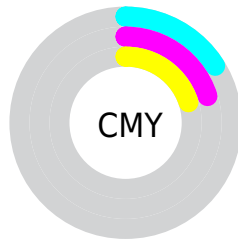
- Red (84%)
- Green (80%)
- Blue (80%)



- Red (84%)
- Yellow (80%)
- Blue (80%)



- Cyan (0%)
- Magenta (4%)
- Yellow (4%)
- Black (16%)



- Cyan (16%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 2.978, 29.620 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 83, 2.978, 29.620 by changing the saturation by 10% instead.

■ 83, 2.978, 29.620

■ 83, 2.978, 29.620

■ 100, 2.978, 29.620

■ 73, 2.978, 29.620

■ 63, 2.978, 29.620

■ 53, 2.978, 29.620

■ 43, 2.978, 29.620

■ 33, 2.978, 29.620

■ 23, 2.978, 29.620

■ 13, 2.978, 29.620

■ 3, 2.978, 29.620

■ 0, 2.978, 29.620

83, 2.978, 29.620

83, 2.978, 29.620

78, 10.444, 30.069

88, 3.908, 209.854

73, 18.542, 30.516

94, 10.267,
209.697

67, 27.297, 31.151

97, 14.051,
198.569

63, 36.700, 32.041

58, 46.683, 33.252

54, 57.087, 34.831

51, 67.613, 36.765

48, 77.657, 38.855

46, 85.901, 40.485

Harmonies

Complementary

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



83, 2.978, 29.620



84, 2.899, 209.915

Rectangle

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



83, 2.978, 29.620



83, 2.978, 79.620



83, 2.978, 209.620



83, 2.978, 259.620

Sweetspot

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



83, 2.977, 29.661



99, 0.804, 28.967



83, 5.415, 327.461



53, 0.457, 28.923



0, 0.000, 0.000



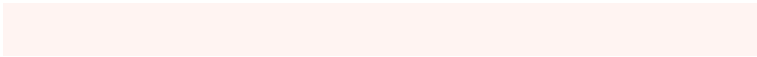
53, 0.007, 296.813

Same Dimension

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



83, 2.977, 29.661



97, 4.090, 29.711



84, 3.113, 84.793



43, 2.424, 29.742



36, 75.657, 41.434



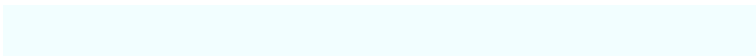
6, 20.486, 25.516

Inverse Universe

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



84, 2.899, 209.915



99, 3.962, 209.872



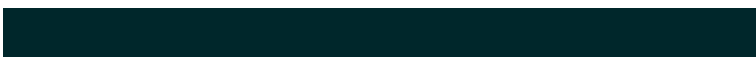
83, 3.116, 266.056



45, 2.339, 209.847



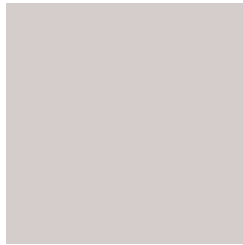
57, 32.811, 216.403



13, 13.064, 212.331

Previews

White Background



This preview shows how the CIELCh color 83, 2.978, 29.620 looks on a white background.

Color Contrast Check

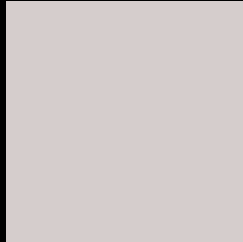
Large Text (above 18pt) WCAG AA × Fail

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 83, 2.978, 29.620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

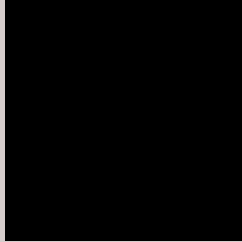
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

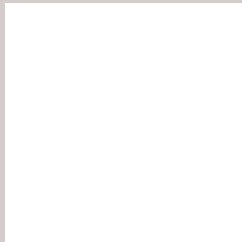
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 2.978, 29.620

Background



This preview shows how black text looks on a background with the CIELCh color 83, 2.978, 29.620.

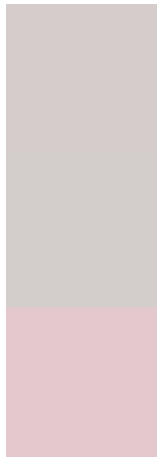


This preview shows how white text looks on a background with the CIELCh color 83, 2.978, 29.620.

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

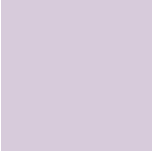
83, 2.978, 29.620

Protanopia

83, 2.100, 49.339

Deuteranopia

83, 10.350, 5.463



Tritanopia
83, 9.540, 317.584

Trichromacy



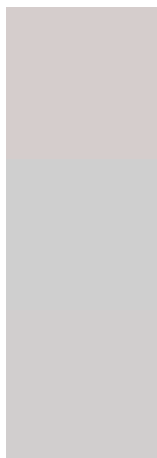
Original Color
83, 2.978, 29.620

Protanomaly
83, 2.427, 45.026

Deuteranomaly
83, 7.558, 7.872

Tritanomaly
83, 6.439, 324.655

Monochromacy



Original Color
83, 2.978, 29.620

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 1.094, 18.972

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 83, 2.978, 29.620 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(213, 205, 204)` looks like.

```
.text, #text, p{  
    color:rgb(213, 205, 204)  
}
```

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(213, 205, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 205, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 2.978, 29.620 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(213, 205, 204) }
```

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

```
.border{ border-color:rgb(213, 205, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 205, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 205, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 205, 204);  
box-shadow:4px 4px 4px 4px rgb(213, 205,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 2.978, 29.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 205, 204) }
```

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

```
.background{ background-color: rgb(213,  
205, 204) }
```

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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