

Converting Colors

CIELCh(83, 0.575, 289.941)

Have a look what the booklet for
CIELCh(83, 0.575, 289.941) contains.

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Color

CIELCh(83, 0.538, 290.347)

Conversions

Conversions Part 1

Format	Color
Hex	CFCFD0
RGB	207, 207, 208
RGB Percent	81%, 81%, 82%
CMY	0.1899, 0.1899, 0.1859
CMYK	0.00, 0.00, 0.00, 0.19
HSL	240°, 1%, 81%
HSV	240°, 0%, 81%
XYZ	59.1618, 62.1629, 68.2867
YIQ	207.1140, -0.3210, 0.3110

Conversions

Conversions Part 2

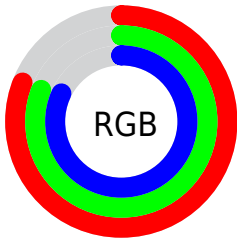
Format	Color
RYP	207, 207, 208
Decimal	13619152
CIELab	83.00, 0.19, -0.50
CIElCh	83, 0.538, 290.347
Yxy	62.1629, 0.3120, 0.3278
Android (android.graphics.Color)	4291809232 (0xFFCFCFD0)
YUV	207.1140, 0.4368, -0.1000
Hunter-Lab	78.8435, -4.0351, 3.8391

Details

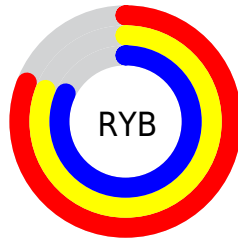
The CIELCh color $83, 0.538, 290.347$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $83, 0.516, 109.861$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $63, 0.566, 290.332$ is the 20% darker color. If you saturate the color by 10%, you get $76, 11.684, 291.132$, and if you desaturate by 10%, it is $90, 10.184, 109.191$.

Distribution



- Red (81%)
- Green (81%)
- Blue (82%)



- Red (81%)
- Yellow (81%)
- Blue (82%)



- Cyan (0%)
- Magenta (0%)
- Yellow (0%)
- Black (19%)



- Cyan (19%)
- Magenta (19%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 0.538, 290.347 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, 0.538, 290.347 by changing the saturation by 10% instead.

■ 83, 0.538, 290.347

■ 83, 0.538, 290.347

100, 0.538,
290.347

■ 73, 0.538, 290.347

■ 63, 0.538, 290.347

■ 53, 0.538, 290.347

■ 43, 0.538, 290.347

■ 33, 0.538, 290.347

■ 23, 0.538, 290.347

■ 13, 0.538, 290.347

■ 3, 0.538, 290.347

■ 0, 0.538, 290.347

83, 0.538, 290.347

83, 0.538, 290.347

76, 11.684,
291.132

90, 10.184,
109.191

69, 23.295,
292.360

97, 20.509,
108.441

62, 35.405,
293.808

99, 23.940,
108.362

55, 48.038,
295.500

48, 61.175,
297.442

42, 74.661,
299.590

36, 88.023,
301.817

31, 100.188,
303.874

■ 27,109.386,
305.418

Harmonies

Complementary

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



83, 0.538, 290.347



83, 0.516, 109.861

Rectangle

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



83, 0.538, 290.347



83, 0.538, 340.347



83, 0.538, 110.347



83, 0.538, 160.347

Sweetspot

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



83, 0.536, 290.209

100, 0.012, 296.813



83, 0.361, 199.554



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

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



83, 0.536, 290.209



99, 1.303, 290.195



83, 0.568, 308.302



44, 0.630, 290.192



19, 97.856, 306.239



1, 25.491, 293.135

Inverse Universe

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



83, 0.365, 17.589



99, 0.895, 18.433



83, 0.549, 128.674



44, 0.432, 18.374



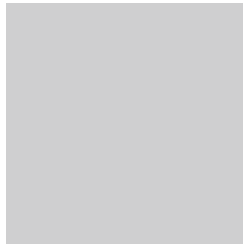
35, 76.306, 39.720



4, 20.017, 19.301

Previews

White Background



This preview shows how the CIELCh color 83, 0.538, 290.347 looks on a white background.

Color Contrast Check

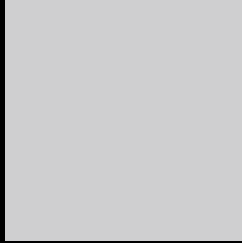
Large Text (above 18pt) WCAG AA × Fail

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, 0.538, 290.347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

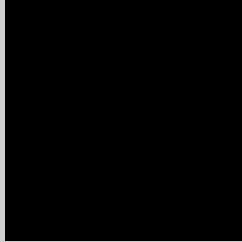
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

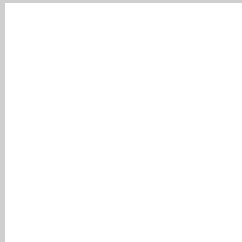
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 0.538, 290.347

Background



This preview shows how black text looks on a background with the CIELCh color 83, 0.538, 290.347.

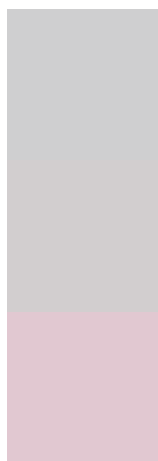


This preview shows how white text looks on a background with the CIELCh color 83, 0.538, 290.347.

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, 0.538, 290.347

Protanopia

83, 1.559, 359.363

Deuteranopia

83, 10.356, 352.940



Tritanopia
83, 8.606, 300.370

Trichromacy



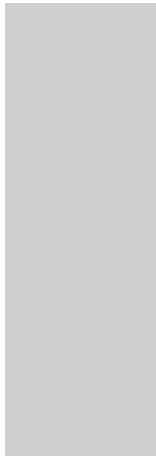
Original Color
83, 0.538, 290.347

Protanomaly
83, 1.223, 353.428

Deuteranomaly
83, 6.682, 351.576

Tritanomaly
83, 5.350, 298.310

Monochromacy



Original Color
83, 0.538, 290.347

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 0.010, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 0.538, 290.347 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(207, 207, 208)` looks like.

```
.text, #text, p{  
    color:rgb(207, 207, 208)  
}
```

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(207, 207, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 207, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 0.538, 290.347 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(207, 207, 208) }
```

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

```
.border{ border-color:rgb(207, 207, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 207, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 207, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 207, 208);  
box-shadow:4px 4px 4px 4px rgb(207, 207,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 0.538, 290.347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 207, 208) }
```

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

```
.background{ background-color: rgb(207,  
207, 208) }
```

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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