

Converting Colors

CIELCh(82, 0.730, 290.331)

Have a look what the booklet for
CIELCh(82, 0.730, 290.331) contains.

CIELCh(82, 0.539, 290.346)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(82, 0.539, 290.346)

Conversions

Conversions Part 1

Format	Color
Hex	CCCCCD
RGB	204, 204, 205
RGB Percent	80%, 80%, 80%
CMY	0.2008, 0.2008, 0.1969
CMYK	0.00, 0.00, 0.00, 0.20
HSL	240°, 1%, 80%
HSV	240°, 0%, 80%
XYZ	57.3879, 60.2982, 66.2454
YIQ	204.1140, -0.3210, 0.3110

Conversions

Conversions Part 2

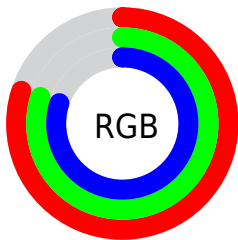
Format	Color
RYB	204, 204, 205
Decimal	13421773
CIELab	82.00, 0.19, -0.51
CIELCh	82, 0.539, 290.346
Yxy	60.2982, 0.3120, 0.3278
Android (android.graphics.Color)	4291611853 (0xFFCCCCCD)
YUV	204.1140, 0.4368, -0.1000
Hunter-Lab	77.6519, -3.9720, 3.7756

Details

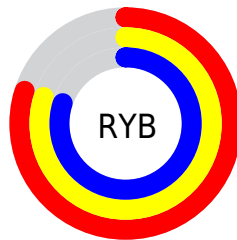
The CIELCh color $82, 0.539, 290.346$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $82, 0.517, 109.864$, and the grayscale version is $82, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $62, 0.568, 290.331$ is the 20% darker color. If you saturate the color by 10%, you get $75, 11.564, 291.133$, and if you desaturate by 10%, it is $89, 10.067, 109.194$.

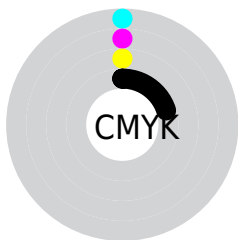
Distribution



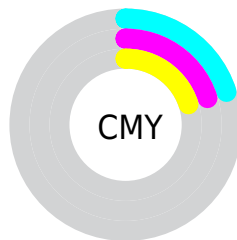
- Red (80%)
- Green (80%)
- Blue (80%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 0.539, 290.346 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 82, 0.539, 290.346 by changing the saturation by 10% instead.

■ 82, 0.539, 290.346

■ 82, 0.539, 290.346

100, 0.539,
290.346

■ 72, 0.539, 290.346

■ 62, 0.539, 290.346

■ 52, 0.539, 290.346

■ 42, 0.539, 290.346

■ 32, 0.539, 290.346

■ 22, 0.539, 290.346

■ 12, 0.539, 290.346

■ 2, 0.539, 290.346

■ 0, 0.539, 290.346

82, 0.539, 290.346

82, 0.539, 290.346

75, 11.564,
291.133

89, 10.067,
109.194

68, 23.048,
292.360

96, 20.280,
108.445

61, 35.026,
293.807

99, 25.334,
108.256

55, 47.521,
295.497

48, 60.513,
297.435

41, 73.852,
299.581

35, 87.071,
301.806

30, 99.115,
303.863

■ 27,108.237,
305.410

Harmonies

Complementary

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



82, 0.539, 290.346



82, 0.517, 109.864

Rectangle

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



82, 0.539, 290.346



82, 0.539, 340.346



82, 0.539, 110.346



82, 0.539, 160.346

Sweetspot

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



82, 0.537, 290.210

100, 0.012, 296.813



82, 0.362, 199.535



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

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



82, 0.537, 290.210



99, 1.303, 290.196



82, 0.569, 308.304



43, 0.617, 290.194



19, 96.758, 306.239



1, 23.476, 292.362

Inverse Universe

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



82, 0.366, 17.611



99, 0.895, 18.437



82, 0.550, 128.671



43, 0.423, 18.374



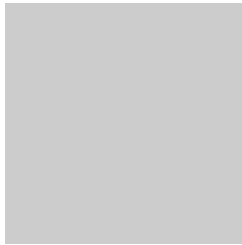
34, 75.408, 39.682



4, 17.911, 19.231

Previews

White Background



This preview shows how the CIELCh color 82, 0.539, 290.346 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 82, 0.539, 290.346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

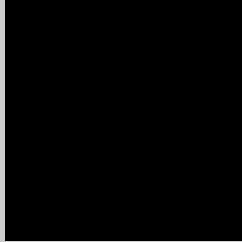
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

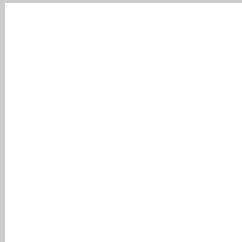
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 0.539, 290.346

Background



This preview shows how black text looks on a background with the CIELCh color 82, 0.539, 290.346.

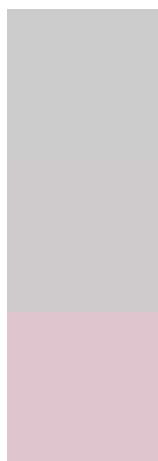


This preview shows how white text looks on a background with the CIELCh color 82, 0.539, 290.346.

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


82, 0.539, 290.346

Protanopia

82, 1.563, 359.370

Deuteranopia

82, 10.385, 352.955



Tritanopia
82, 8.629, 300.376

Trichromacy



Original Color

82, 0.539, 290.346

Protanomaly

82, 1.226, 353.435

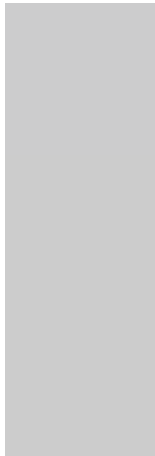
Deuteranomaly

82, 6.963, 347.749

Tritanomaly

82, 5.365, 298.314

Monochromacy



Original Color

82, 0.539, 290.346

Achromatopsia

82, 0.010, 296.813

Achromatomaly

82, 0.010, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 0.539, 290.346 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(204, 204, 205)` looks like.

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

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

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

Border

The CSS property to change the border of an element to CIELCh 82, 0.539, 290.346 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(204, 204, 205) }
```

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

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

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

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

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

Background

The CSS property to change the background color of an element to CIELCh 82, 0.539, 290.346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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