

# Converting Colors

CIELCh(79, 0.733, 68.721)

Have a look what the booklet for  
CIELCh(79, 0.733, 68.721) contains.

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# **Color**

**CIELCh(79, 0.900, 55.043)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5C3C2
RGB	197, 195, 194
RGB Percent	77%, 76%, 76%
CMY	0.2266, 0.2344, 0.2384
CMYK	0.00, 0.01, 0.02, 0.23
HSL	20°, 3%, 77%
HSV	20°, 2%, 77%
XYZ	52.4053, 54.9284, 59.0033
YIQ	195.4840, 1.5130, 0.1130

# Conversions

## Conversions Part 2

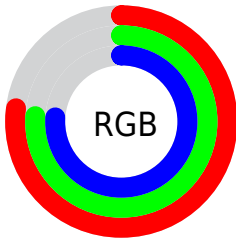
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 196, 194
Decimal	12960706
CIELab	79.00, 0.52, 0.74
CIELCh	79, 0.900, 55.043
Yxy	54.9284, 0.3151, 0.3302
Android (android.graphics.Color)	4291150786 (0xFFC5C3C2)
YUV	195.4840, -0.7316, 1.3295
Hunter-Lab	74.1137, -3.4829, 4.6777

# Details

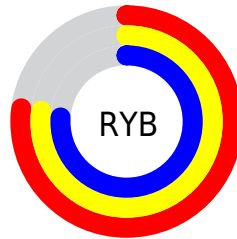
The CIELCh color  $79, 0.900, 55.043$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $79, 0.903, 236.493$ , and the grayscale version is  $79, 0.010, 296.813$ .

A 20% lighter version of the original color is  $99, 1.220, 74.868$ , and  $59, 0.958, 55.140$  is the 20% darker color. If you saturate the color by 10%, you get  $75, 7.085, 54.869$ , and if you desaturate by 10%, it is  $83, 4.881, 236.627$ .

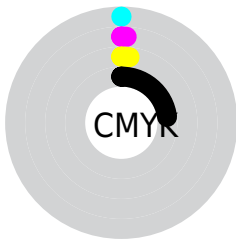
# Distribution



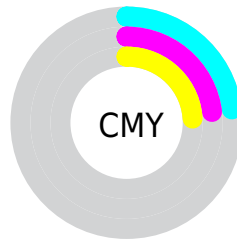
- Red (77%)
- Green (76%)
- Blue (76%)



- Red (77%)
- Yellow (77%)
- Blue (76%)



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (23%)



- Cyan (23%)
- Magenta (23%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 0.900, 55.043 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 79, 0.900, 55.043 by changing the saturation by 10% instead.



■ 79, 0.900, 55.043

■ 79, 0.900, 55.043

100, 0.900, 55.043

■ 69, 0.900, 55.043

■ 99, 0.900, 55.043

■ 59, 0.900, 55.043

■ 49, 0.900, 55.043

■ 39, 0.900, 55.043

■ 29, 0.900, 55.043

■ 19, 0.900, 55.043

■ 9, 0.900, 55.043

■ 0, 0.900, 55.043

■ 79, 0.900, 55.043

■ 79, 0.900, 55.043

75, 7.085, 54.869

83, 4.881, 236.627

71, 13.720, 54.160

87, 10.303,  
237.396

68, 20.848, 53.491

91, 15.411,  
238.202

64, 28.500, 52.893

60, 36.679, 52.382

94, 16.851,  
211.352

57, 45.333, 51.957

96, 18.948,  
198.254

54, 54.296, 51.572

51, 63.167, 51.089

49, 71.090, 50.175

# Harmonies

# Complementary

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



79, 0.900, 55.043



79, 0.903, 236.493

# Rectangle

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



79, 0.900, 55.043



79, 0.900, 105.043



79, 0.900, 235.043



79, 0.900, 285.043

# Sweetspot

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



79, 0.900, 55.185

100, 0.012, 296.813



79, 1.551, 335.548



53, 0.007, 296.813



0, 0.000, 0.000

# Same Dimension

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



79, 0.900, 55.185



99, 1.462, 55.279



79, 1.333, 102.067



42, 0.677, 55.259



39, 66.225, 49.527



6, 13.391, 40.671





# Inverse Universe

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



79, 0.903, 236.493



99, 1.458, 236.403



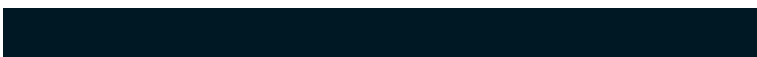
79, 1.354, 282.601



42, 0.676, 236.422



44, 36.976, 261.738

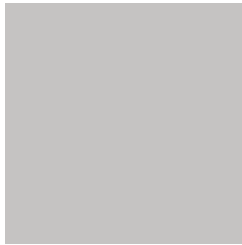


7, 11.679, 250.476



# Previews

## White Background



This preview shows how the CIELCh color 79, 0.900, 55.043 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 79, 0.900, 55.043 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

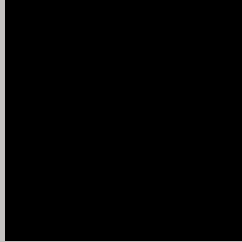
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

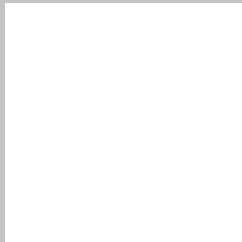
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 79, 0.900, 55.043**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 79, 0.900, 55.043.

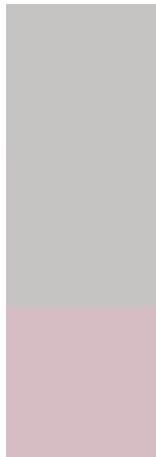


This preview shows how white text looks on a background with the CIELCh color 79, 0.900, 55.043.

# 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


79, 0.900, 55.043

### Protanopia

79, 1.562, 39.080

### Deuteranopia

79, 9.875, 1.329



**Tritanopia**  
79, 8.339, 305.850

# Trichromacy



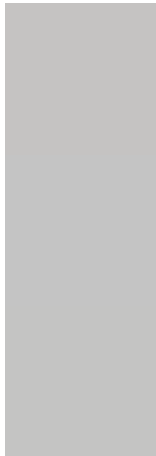
**Original Color**  
79, 0.900, 55.043

**Protanomaly**  
79, 1.220, 44.900

**Deuteranomaly**  
79, 6.681, 1.290

**Tritanomaly**  
79, 5.048, 307.289

# Monochromacy



**Original Color**  
79, 0.900, 55.043

**Achromatopsia**  
79, 0.010, 296.813

**Achromatomaly**  
79, 0.524, 110.009



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 79, 0.900, 55.043 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(197, 195, 194)` looks like.

```
.text, #text, p{  
    color:rgb(197, 195, 194)  
}
```

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(197, 195, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 195, 194) }
```

## Border

The CSS property to change the border of an element to CIELCh 79, 0.900, 55.043 is called "border". The border property can be set on classes, ids or directly on the HTML element.

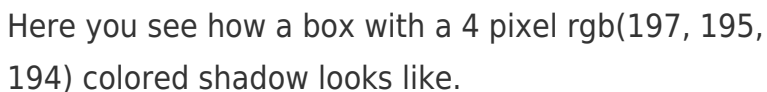
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 195, 194) }
```

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

```
.border{ border-color:rgb(197, 195, 194) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 195, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 195, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 195, 194); box-shadow:4px 4px 4px 4px rgb(197, 195, 194) }
```

# Background

The CSS property to change the background color of an element to CIELCh 79, 0.900, 55.043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 195, 194) }
```

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

```
.background{ background-color: rgb(197,  
195, 194) }
```

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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