

# Converting Colors

CIELCh(70, 14.319, 349.430)

Have a look what the booklet for  
CIELCh(70, 14.319, 349.430)  
contains.

<b>CIELCh(70, 14.092, 350.539)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(70, 14.092, 350.539)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C3A3B0
RGB	195, 163, 176
RGB Percent	76%, 64%, 69%
CMY	0.2367, 0.3621, 0.3112
CMYK	0.00, 0.16, 0.10, 0.24
HSL	336°, 21%, 70%
HSV	336°, 16%, 76%
XYZ	43.2536, 40.7494, 46.4813
YIQ	174.0500, 14.8990, 10.8270

# Conversions

## Conversions Part 2

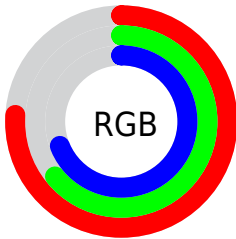
Format	Color
R <sub>Y</sub> B	195, 163, 176
Decimal	12821424
CIE Lab	70.00, 13.90, -2.32
CIE LCh	70, 14.092, 350.539
Yxy	40.7494, 0.3315, 0.3123
Android (android.graphics.Color)	4291011504 (0xFFC3A3B0)
YUV	174.0500, 0.9614, 18.3732
Hunter-Lab	63.8353, 9.2366, 1.5130

# Details

The CIELCh color  $70, 14.092, 350.539$  is a light color, and the websafe version is hex `CC9999`. A complement of this color would be  $76, 13.657, 167.566$ , and the grayscale version is  $71, 0.009, 296.813$ .

A 20% lighter version of the original color is  $90, 14.260, 349.917$ , and  $50, 14.323, 349.336$  is the 20% darker color. If you saturate the color by 10%, you get  $65, 22.930, 351.659$ , and if you desaturate by 10%, it is  $75, 5.434, 349.523$ .

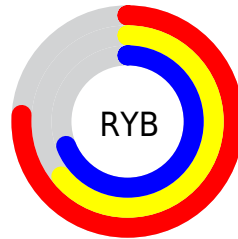
# Distribution



Red (76%)

Green (64%)

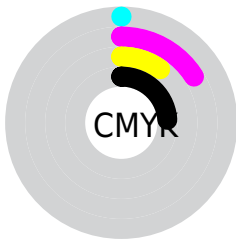
Blue (69%)



Red (76%)

Yellow (64%)

Blue (69%)

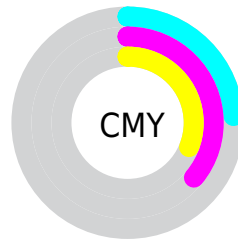


Cyan (0%)

Magenta (16%)

Yellow (10%)

Black (24%)



Cyan (24%)

Magenta (36%)


Yellow (31%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 14.092, 350.539 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 70, 14.092, 350.539 by changing the saturation by 10% instead.





 70, 14.092,  
350.539


 70, 14.092,  
350.539


 100, 14.092,  
350.539


 60, 14.092,  
350.539


 90, 14.092,  
350.539

 50, 14.092,  
350.539

 40, 14.092,  
350.539

 30, 14.092,  
350.539

 20, 14.092,  
350.539

 10, 14.092,  
350.539

 0, 14.092, 350.539

70, 14.092,  
350.539

70, 14.092,  
350.539

65, 22.930,  
351.659

75, 5.434, 349.523

60, 31.808,  
352.944

81, 2.953, 168.884

56, 40.487,  
354.460

86, 11.032,  
167.998

51, 48.635,  
356.293

91, 18.793,  
167.275

48, 55.833,  
358.562

96, 23.508,  
169.838

45, 61.653, 1.422

96, 20.865,  
183.823

43, 65.805, 5.050

96, 19.720,  
198.205

42, 68.354, 9.570

■ 41, 69.164, 11.273

# Harmonies

# Complementary

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



70, 14.092, 350.539



76, 13.657, 167.566

# Rectangle

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



70, 14.092, 350.539



70, 14.092, 40.539



70, 14.092, 170.539



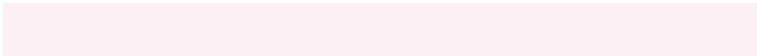
70, 14.092, 220.539

# Sweetspot

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



70, 14.090, 350.543



96, 5.207, 349.379



69, 18.898, 312.623



51, 3.585, 349.457



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



70, 14.090, 350.543



86, 21.287, 350.960



70, 11.584, 27.526



38, 4.794, 349.821



34, 59.918, 10.461



3, 15.137, 357.810



# Inverse Universe

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



70, 14.090, 350.543



86, 21.287, 350.960



76, 10.388, 206.652



38, 4.794, 349.821



34, 59.918, 10.461

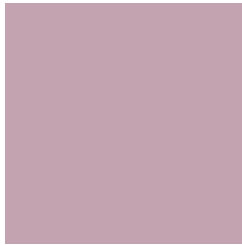


3, 15.137, 357.810



# Previews

## White Background



This preview shows how the CIELCh color 70, 14.092, 350.539 looks on a white background.

## Color Contrast Check

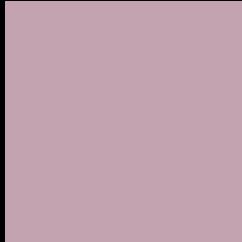
Large Text (above 18pt) WCAG AA × Fail

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 70, 14.092, 350.539 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

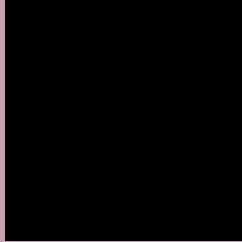
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 70, 14.092, 350.539**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 70, 14.092, 350.539.



This preview shows how white text looks on a background with the CIELCh color 70, 14.092, 350.539.

# 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

70, 14.092, 350.539


### Protanopia

70, 5.543, 298.372

### Deuteranopia

70, 9.055, 347.330





**Tritanopia**  
70, 13.846, 352.518

# Trichromacy



**Original Color**  
70, 14.092, 350.539

**Protanomaly**  
70, 7.784, 329.359

**Deuteranomaly**  
70, 10.640, 349.513

**Tritanomaly**  
70, 13.846, 352.518

# Monochromacy



**Original Color**  
70, 14.092, 350.539

**Achromatopsia**  
71, 0.009, 296.813

**Achromatomaly**  
71, 5.310, 348.901

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 14.092, 350.539 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(195, 163, 176)` looks like.

```
.text, #text, p{  
    color:rgb(195, 163, 176)  
}
```

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(195, 163, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 163, 176) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 14.092, 350.539 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(195, 163, 176) }
```

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

```
.border{ border-color:rgb(195, 163, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 163, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 163, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 163, 176);  
box-shadow:4px 4px 4px 4px rgb(195, 163,  
176) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 14.092, 350.539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 163, 176) }
```

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

```
.background{ background-color: rgb(195,  
163, 176) }
```

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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