

# Converting Colors

CIELCh(84, 0.389, 323.419)

Have a look what the booklet for  
CIELCh(84, 0.389, 323.419) contains.

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# Color

**CIELCh(84, 0.652, 324.058)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D2D1D2
RGB	210, 209, 210
RGB Percent	82%, 82%, 82%
CMY	0.1758, 0.1797, 0.1758
CMYK	0.00, 0.00, 0.00, 0.18
HSL	300°, 1%, 82%
HSV	300°, 0%, 82%
XYZ	61.1166, 64.0658, 70.2223
YIQ	209.4130, 0.2750, 0.5230

# Conversions

## Conversions Part 2

Format	Color
RYB	210, 209, 210
Decimal	13816274
CIELab	84.00, 0.53, -0.38
CIELCh	84, 0.652, 324.058
Yxy	64.0658, 0.3128, 0.3279
Android (android.graphics.Color)	4292006354 (0xFFD2D1D2)
YUV	209.4130, 0.2894, 0.5148
Hunter-Lab	80.0411, -3.7756, 4.0120

# Details

The CIELCh color `84, 0.652, 324.058` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `84, 0.632, 144.837`, and the grayscale version is `84, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `64, 0.687, 324.164` is the 20% darker color. If you saturate the color by 10%, you get `79, 14.269, 324.994`, and if you desaturate by 10%, it is `89, 12.724, 143.951`.

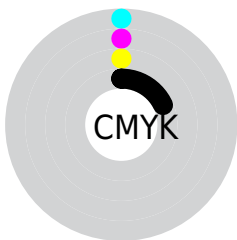
# Distribution



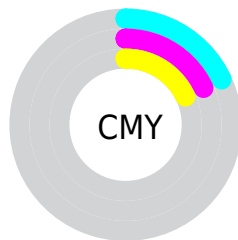
- Red (82%)
- Green (82%)
- Blue (82%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)



- Cyan (18%)
- Magenta (18%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 0.652, 324.058 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 84, 0.652, 324.058 by changing the saturation by 10% instead.



■ 84, 0.652, 324.058

■ 84, 0.652, 324.058

100, 0.652,  
324.058

■ 74, 0.652, 324.058

■ 64, 0.652, 324.058

■ 54, 0.652, 324.058

■ 44, 0.652, 324.058

■ 34, 0.652, 324.058

■ 24, 0.652, 324.058

■ 14, 0.652, 324.058

■ 4, 0.652, 324.058

■ 0, 0.652, 324.058

84, 0.652, 324.058

84, 0.652, 324.058

79, 14.269,  
324.994

89, 12.724,  
143.951

74, 27.987,  
325.549

95, 25.763,  
143.421

69, 41.581,  
326.086

96, 28.082,  
143.328

64, 54.734,  
326.593

96, 28.081,  
143.327

60, 67.027,  
327.056

96, 28.081,  
143.326

57, 77.959,  
327.458

96, 28.081,  
143.325

54, 87.002,  
327.782

96, 28.080,  
143.324

52, 93.716,  
328.017

96, 28.080,  
143.323

■ 51, 97.890,  
328.162

■ 96, 28.080,  
143.322

# Harmonies

# Complementary

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



84, 0.652, 324.058



84, 0.632, 144.837

# Rectangle

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



84, 0.652, 324.058



84, 0.652, 14.058



84, 0.652, 144.058



84, 0.652, 194.058

# Sweetspot

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



84, 0.650, 324.054

100, 0.012, 296.813



84, 0.526, 289.695



53, 0.007, 296.813



0, 0.000, 0.000

# Same Dimension

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



84, 0.650, 324.054



99, 1.592, 324.301



84, 0.461, 341.904



44, 0.769, 324.283



40, 84.660, 328.230



6, 31.112, 327.822





# Inverse Universe

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



84, 0.363, 17.853



99, 0.895, 18.722



84, 0.447, 163.654



44, 0.432, 18.662



35, 76.452, 39.861

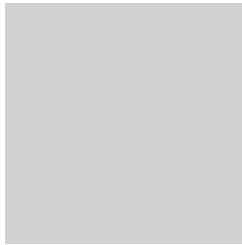


4, 20.018, 19.463



# Previews

## White Background



This preview shows how the CIELCh color 84, 0.652, 324.058 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 84, 0.652, 324.058 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

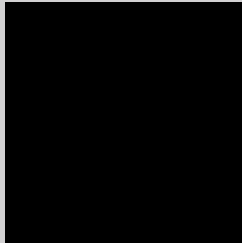
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

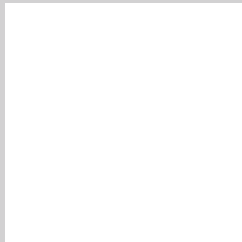
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 84, 0.652, 324.058**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 84, 0.652, 324.058.

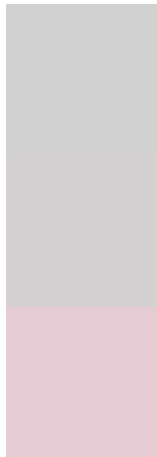


This preview shows how white text looks on a background with the CIELCh color 84, 0.652, 324.058.

# 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


84, 0.652, 324.058

### Protanopia

84, 2.115, 349.402

### Deuteranopia

84, 10.447, 356.476



**Tritanopia**  
84, 8.659, 302.676



# Trichromacy



## Original Color

84, 0.652, 324.058

## Protanomaly

84, 1.810, 343.570

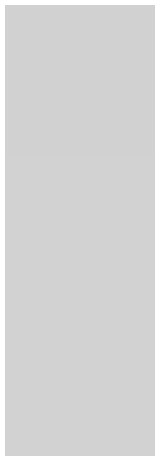
## Deuteranomaly

84, 6.990, 353.036

## Tritanomaly

84, 5.404, 302.056

# Monochromacy



## Original Color

84, 0.652, 324.058

## Achromatopsia

84, 0.010, 296.813

## Achromatomaly

84, 0.010, 296.813

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 84, 0.652, 324.058 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(210, 209, 210)` looks like.

```
.text, #text, p{  
    color:rgb(210, 209, 210)  
}
```

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(210, 209, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 209, 210) }
```

## Border

The CSS property to change the border of an element to CIELCh 84, 0.652, 324.058 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(210, 209, 210) }
```

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

```
.border{ border-color:rgb(210, 209, 210) }
```

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

Here you see how a box with a 4 pixel rgb(210, 209, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 209, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 209, 210);  
box-shadow:4px 4px 4px 4px rgb(210, 209,  
210) }
```

# Background

The CSS property to change the background color of an element to CIELCh 84, 0.652, 324.058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 209, 210) }
```

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

```
.background{ background-color: rgb(210,  
209, 210) }
```

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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