

# Converting Colors

CIELCh(78, 8.729, 96.765)

Have a look what the booklet for  
CIELCh(78, 8.729, 96.765) contains.

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# **Color**

**CIELCh(78, 8.729, 96.765)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6C1B1
RGB	198, 193, 177
RGB Percent	78%, 76%, 69%
CMY	0.2242, 0.2438, 0.3066
CMYK	0.00, 0.03, 0.11, 0.22
HSL	46°, 16%, 73%
HSV	46°, 11%, 78%
XYZ	50.1923, 53.2120, 49.1306
YIQ	192.6710, 8.1160, -3.9160

# Conversions

## Conversions Part 2

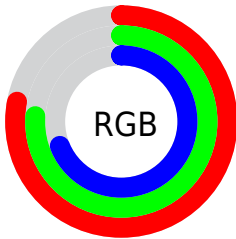
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 198, 177
Decimal	13025713
CIELab	78.00, -1.03, 8.67
CIELCh	78, 8.729, 96.765
Yxy	53.2120, 0.3291, 0.3489
Android (android.graphics.Color)	4291215793 (0xFFC6C1B1)
YUV	192.6710, -7.7258, 4.6735
Hunter-Lab	72.9466, -4.8360, 11.1298

# Details

The CIELCh color  $78, 8.729, 96.765$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $74, 8.811, 279.360$ , and the grayscale version is  $78, 0.009, 296.813$ .

A 20% lighter version of the original color is  $98, 8.400, 94.603$ , and  $58, 9.186, 98.854$  is the 20% darker color. If you saturate the color by 10%, you get  $76, 17.053, 95.584$ , and if you desaturate by 10%, it is  $80, 0.493, 97.601$ .

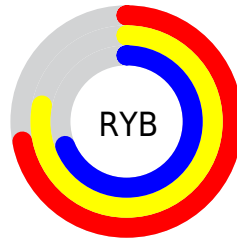
# Distribution



Red (78%)

Green (76%)

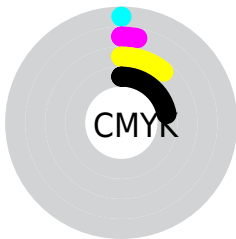
Blue (69%)



Red (72%)

Yellow (78%)

Blue (69%)

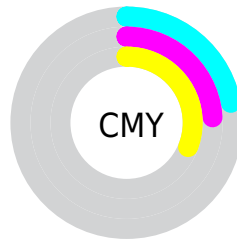


Cyan (0%)

Magenta (3%)

Yellow (11%)

Black (22%)



Cyan (22%)

Magenta (24%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 8.729, 96.765 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 78, 8.729, 96.765 by changing the saturation by 10% instead.



 78, 8.729, 96.765

 78, 8.729, 96.765

 100, 8.729, 96.765

 68, 8.729, 96.765

 98, 8.729, 96.765

 58, 8.729, 96.765

 48, 8.729, 96.765

 38, 8.729, 96.765

 28, 8.729, 96.765

 18, 8.729, 96.765

 8, 8.729, 96.765

 0, 8.729, 96.765

 78, 8.729, 96.765

 78, 8.729, 96.765

76, 17.053, 95.584

80, 0.493, 97.601

75, 25.430, 94.349

81, 7.645, 279.104

73, 33.798, 93.083

83, 15.680,  
280.164

72, 42.045, 91.789

85, 23.119,  
280.882

70, 49.966, 90.467

69, 57.216, 89.104

86, 20.969,  
275.133

67, 63.261, 87.664

87, 19.073,  
268.213

66, 67.415, 86.075

65, 69.500, 84.412

89, 17.506,  
259.978

90, 16.357,  
250.429

91, 15.709,  
239.845



# Harmonies

# Complementary

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



78, 8.729, 96.765



74, 8.811, 279.360

# Rectangle

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



78, 8.729, 96.765



78, 8.729, 146.765



78, 8.729, 276.765



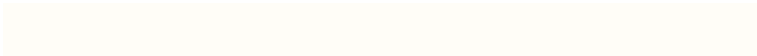
78, 8.729, 326.765

# Sweetspot

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



78, 8.730, 96.777



99, 3.011, 97.611



74, 8.428, 0.475



53, 2.286, 97.532



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



78, 8.730, 96.777



97, 13.163, 96.474



79, 11.346, 119.258



41, 4.681, 96.920



54, 60.323, 84.711



10, 15.359, 88.939



# Inverse Universe

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



74, 8.811, 279.360



91, 13.304, 279.709



73, 11.596, 300.599



39, 4.722, 279.200



24, 79.501, 300.810

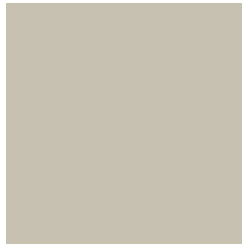


3, 18.002, 284.697



# Previews

## White Background



This preview shows how the CIELCh color 78, 8.729, 96.765 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 78, 8.729, 96.765 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

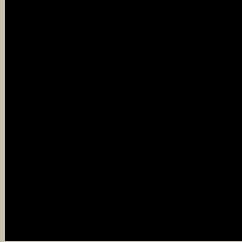
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

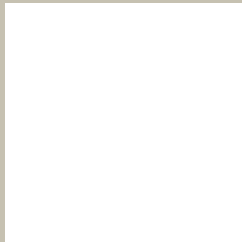
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 78, 8.729, 96.765

## Background



This preview shows how black text looks on a background with the CIELCh color 78, 8.729, 96.765.



This preview shows how white text looks on a background with the CIELCh color 78, 8.729, 96.765.

# 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

78, 8.729, 96.765


### Protanopia

78, 9.055, 89.611

### Deuteranopia

78, 12.747, 39.719





**Tritanopia**  
78, 9.370, 321.084

# Trichromacy



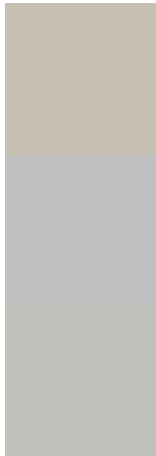
**Original Color**  
78, 8.729, 96.765

**Protanomaly**  
78, 8.933, 91.939

**Deuteranomaly**  
78, 10.015, 52.008

**Tritanomaly**  
78, 4.293, 349.754

# Monochromacy



**Original Color**  
78, 8.729, 96.765

**Achromatopsia**  
78, 0.009, 296.813

**Achromatomaly**  
78, 3.278, 96.699

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 78, 8.729, 96.765 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(198, 193, 177)` looks like.

```
.text, #text, p{  
    color:rgb(198, 193, 177)  
}
```

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(198, 193, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 193, 177) }
```

## Border

The CSS property to change the border of an element to CIELCh 78, 8.729, 96.765 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(198, 193, 177) }
```

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

```
.border{ border-color:rgb(198, 193, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 193, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 193, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 193, 177);  
box-shadow:4px 4px 4px 4px rgb(198, 193,  
177) }
```

# Background

The CSS property to change the background color of an element to CIELCh 78, 8.729, 96.765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 193, 177) }
```

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

```
.background{ background-color: rgb(198,  
193, 177) }
```

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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