

# Converting Colors

CIELCh(78, 22.159, 95.105)

Have a look what the booklet for  
CIELCh(78, 22.159, 95.105) contains.

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# Color

**CIELCh(78, 22.315, 95.702)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDC198
RGB	205, 193, 152
RGB Percent	80%, 76%, 60%
CMY	0.1972, 0.2442, 0.4050
CMYK	0.00, 0.06, 0.26, 0.20
HSL	46°, 35%, 70%
HSV	46°, 26%, 80%
XYZ	49.7507, 53.2120, 37.2384
YIQ	191.9140, 20.3130, -10.2070

# Conversions

## Conversions Part 2

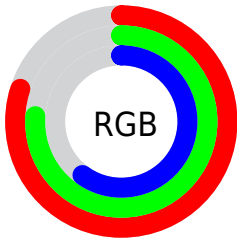
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	168, 205, 152
Decimal	13484440
CIE <sub>Lab</sub>	78.00, -2.22, 22.20
CIE <sub>LCh</sub>	78, 22.315, 95.702
Yxy	53.2120, 0.3549, 0.3795
Android (android.graphics.Color)	4291674520 (0xFFCDC198)
YUV	191.9140, -19.6776, 11.4764
Hunter-Lab	72.9466, -5.9167, 20.7957

# Details

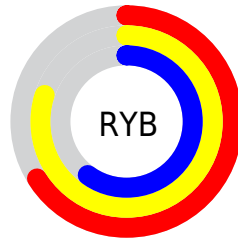
The CIELCh color **78, 22.315, 95.702** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **68, 22.844, 282.376**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 21.923, 102.601**, and **58, 22.359, 96.414** is the 20% darker color. If you saturate the color by 10%, you get **76, 31.011, 94.466**, and if you desaturate by 10%, it is **80, 13.635, 96.916**.

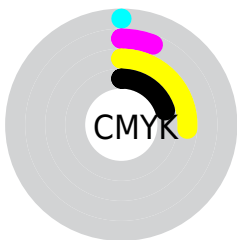
# Distribution



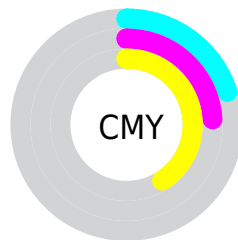
- Red (80%)
- Green (76%)
- Blue (60%)



- Red (66%)
- Yellow (80%)
- Blue (60%)



- Cyan (0%)
- Magenta (6%)
- Yellow (26%)
- Black (20%)



- Cyan (20%)
- Magenta (24%)
- Yellow (41%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 22.315, 95.702 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, 22.315, 95.702 by changing the saturation by 10% instead.



 78, 22.315, 95.702

 78, 22.315, 95.702

 100, 22.315,  
95.702

 68, 22.315, 95.702

 98, 22.315, 95.702

 58, 22.315, 95.702

 48, 22.315, 95.702

 38, 22.315, 95.702

 28, 22.315, 95.702

 18, 22.315, 95.702

 8, 22.315, 95.702

 0, 22.315, 95.702

 78, 22.315, 95.702

 78, 22.315, 95.702

76, 31.011, 94.466

80, 13.635, 96.916

75, 39.628, 93.199

81, 5.018, 98.071

73, 47.999, 91.908

83, 3.511, 279.291

72, 55.840, 90.589

85, 11.940,  
280.347

71, 62.687, 89.222

87, 20.267,  
281.383

69, 67.889, 87.761

68, 70.792, 86.122

88, 18.615,  
275.430

68, 71.589, 85.416

89, 16.766,  
267.751

90, 15.282,  
258.451

91, 14.269,  
247.575

# Harmonies

# Complementary

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



78, 22.315, 95.702



68, 22.844, 282.376

# Rectangle

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



78, 22.315, 95.702



78, 22.315, 145.702



78, 22.315, 275.702



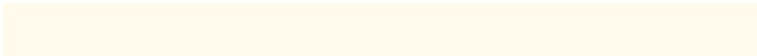
78, 22.315, 325.702

# Sweetspot

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



78, 22.316, 95.708



98, 8.172, 97.822



68, 21.723, 3.522



52, 5.814, 97.648



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, 22.316, 95.708



94, 31.997, 95.027



80, 28.400, 118.964



42, 4.839, 97.675



56, 61.270, 85.718



11, 17.034, 89.654





# Inverse Universe

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



68, 22.844, 282.376



79, 32.959, 283.345



66, 29.946, 302.366



40, 4.885, 279.941



24, 81.667, 301.294



3, 19.893, 286.105



# Previews

## White Background



This preview shows how the CIELCh color 78, 22.315, 95.702 looks on a white background.

## Color Contrast Check

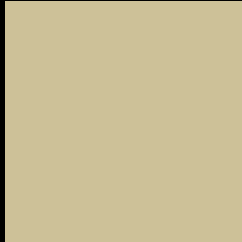
Large Text (above 18pt) WCAG AA × Fail

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, 22.315, 95.702 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

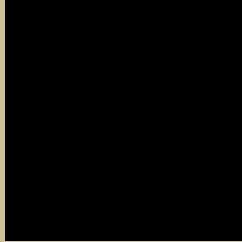
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

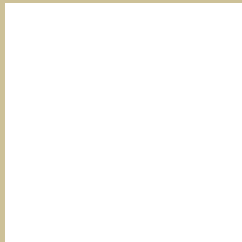
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 78, 22.315, 95.702

## Background



This preview shows how black text looks on a background with the CIELCh color 78, 22.315, 95.702.



This preview shows how white text looks on a background with the CIELCh color 78, 22.315, 95.702.

# 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, 22.315, 95.702

### Protanopia

78, 22.315, 95.702

### Deuteranopia

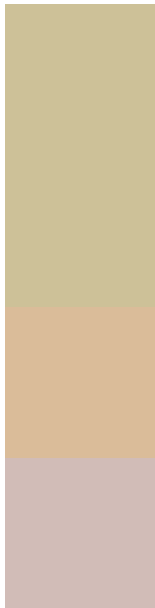
78, 23.786, 65.533



**Tritanopia**  
78, 12.244, 339.504



# Trichromacy



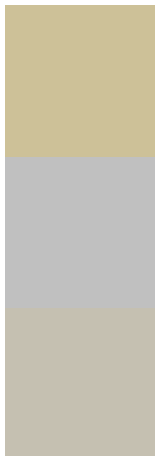
**Original Color**  
78, 22.315, 95.702

**Protanomaly**  
78, 22.315, 95.702

**Deuteranomaly**  
78, 22.382, 75.626

**Tritanomaly**  
78, 8.426, 38.352

# Monochromacy



**Original Color**  
78, 22.315, 95.702

**Achromatopsia**  
78, 0.009, 296.813

**Achromatomaly**  
78, 8.217, 96.020

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 78, 22.315, 95.702 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(205, 193, 152)` looks like.

```
.text, #text, p{  
    color:rgb(205, 193, 152)  
}
```

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(205, 193, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 193, 152) }
```

## Border

The CSS property to change the border of an element to CIELCh 78, 22.315, 95.702 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(205, 193, 152) }
```

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

```
.border{ border-color:rgb(205, 193, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 193, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 193, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 193, 152);  
box-shadow:4px 4px 4px 4px rgb(205, 193,  
152) }
```

# Background

The CSS property to change the background color of an element to CIELCh 78, 22.315, 95.702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 193, 152) }
```

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

```
.background{ background-color: rgb(205,  
193, 152) }
```

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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