

# Converting Colors

CIELCh(76, 21.660, 96.736)

Have a look what the booklet for  
CIELCh(76, 21.660, 96.736) contains.

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# Color

**CIELCh(76, 21.316, 96.204)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6BB94
RGB	198, 187, 148
RGB Percent	78%, 73%, 58%
CMY	0.2222, 0.2653, 0.4183
CMYK	0.00, 0.06, 0.25, 0.22
HSL	47°, 31%, 68%
HSV	47°, 25%, 78%
XYZ	46.5948, 49.8872, 35.3273
YIQ	185.8430, 19.0750, -9.7970

# Conversions

## Conversions Part 2

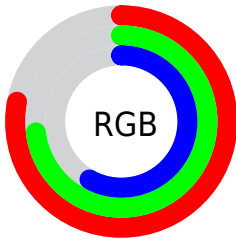
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	162, 198, 148
Decimal	13024148
CIE <sub>Lab</sub>	76.00, -2.30, 21.19
CIE <sub>LCh</sub>	76, 21.316, 96.204
Yxy	49.8872, 0.3535, 0.3785
Android (android.graphics.Color)	4291214228 (0xFFC6BB94)
YUV	185.8430, -18.6566, 10.6617
Hunter-Lab	70.6309, -5.8487, 19.7867

# Details

The CIELCh color **76, 21.316, 96.204** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **66, 21.836, 282.639**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 21.376, 96.287**, and **56, 21.431, 95.871** is the 20% darker color. If you saturate the color by 10%, you get **74, 29.835, 94.981**, and if you desaturate by 10%, it is **78, 12.812, 97.406**.

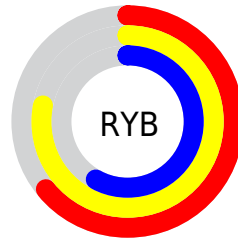
# Distribution



Red (78%)

Green (73%)

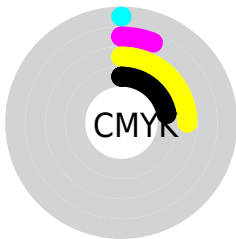
Blue (58%)



Red (64%)

Yellow (78%)

Blue (58%)

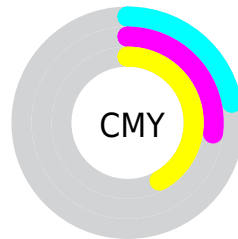


Cyan (0%)

Magenta (6%)

Yellow (25%)

Black (22%)



Cyan (22%)

Magenta (27%)

Yellow (42%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 21.316, 96.204 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 76, 21.316, 96.204 by changing the saturation by 10% instead.



 76, 21.316, 96.204

 76, 21.316, 96.204

 100, 21.316,  
96.204

 66, 21.316, 96.204

 96, 21.316, 96.204

 56, 21.316, 96.204

 46, 21.316, 96.204

 36, 21.316, 96.204

 26, 21.316, 96.204

 16, 21.316, 96.204

 6, 21.316, 96.204

 0, 21.316, 96.204

 76, 21.316, 96.204

 76, 21.316, 96.204

74, 29.835, 94.981

78, 12.812, 97.406

73, 38.276, 93.726

79, 4.365, 98.547

72, 46.484, 92.451

81, 3.998, 279.752

70, 54.190, 91.151

82, 12.267,  
280.804

69, 60.957, 89.811

84, 20.439,  
281.831

68, 66.166, 88.391

86, 22.206,  
279.147

67, 69.172, 86.814

66, 70.101, 86.023

87, 20.275,  
273.474

88, 18.580,  
266.737

89, 17.184,  
258.836

# Harmonies

# Complementary

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



76, 21.316, 96.204



66, 21.836, 282.639

# Rectangle

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



76, 21.316, 96.204



76, 21.316, 146.204



76, 21.316, 276.204



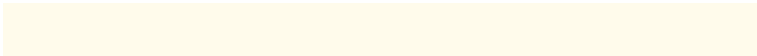
76, 21.316, 326.204

# Sweetspot

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



76, 21.317, 96.210



98, 8.226, 98.226



66, 20.599, 3.426



52, 5.852, 98.053



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



76, 21.317, 96.210



94, 31.142, 95.571



78, 26.979, 119.008



41, 4.770, 98.083



55, 60.729, 86.298



11, 15.671, 90.629





# Inverse Universe

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



66, 21.836, 282.639



80, 32.095, 283.540



64, 28.401, 302.307



39, 4.818, 280.330



23, 81.258, 301.493



3, 18.255, 285.321



# Previews

## White Background



This preview shows how the CIELCh color 76, 21.316, 96.204 looks on a white background.

## Color Contrast Check

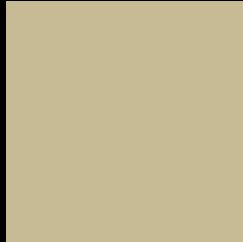
Large Text (above 18pt) WCAG AA × Fail

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 76, 21.316, 96.204 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

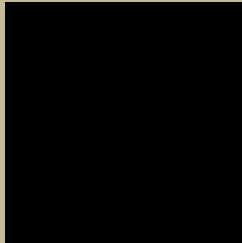
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 76, 21.316, 96.204

## Background



This preview shows how black text looks on a background with the CIELCh color 76, 21.316, 96.204.



This preview shows how white text looks on a background with the CIELCh color 76, 21.316, 96.204.

# 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

76, 21.316, 96.204

### Protanopia

76, 21.406, 95.143

### Deuteranopia

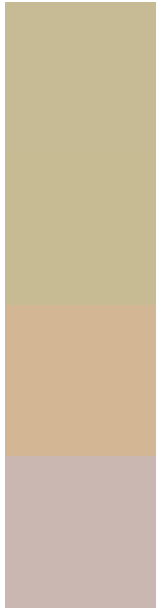
76, 22.522, 65.275



**Tritanopia**  
76, 11.399, 339.044



# Trichromacy



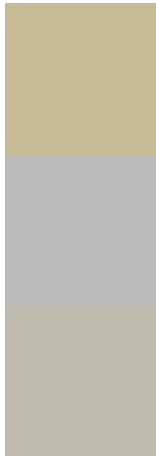
**Original Color**  
76, 21.316, 96.204

**Protanomaly**  
76, 21.406, 95.143

**Deuteranomaly**  
76, 21.588, 76.674

**Tritanomaly**  
76, 7.738, 40.122

# Monochromacy



**Original Color**  
76, 21.316, 96.204

**Achromatopsia**  
76, 0.009, 296.813

**Achromatomaly**  
75, 7.660, 97.932

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 76, 21.316, 96.204 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, 187, 148)` looks like.

```
.text, #text, p{  
    color:rgb(198, 187, 148)  
}
```

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, 187, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 187, 148) }
```

## Border

The CSS property to change the border of an element to CIELCh 76, 21.316, 96.204 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, 187, 148) }
```

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

```
.border{ border-color:rgb(198, 187, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 187, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 187, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 187, 148);  
box-shadow:4px 4px 4px 4px rgb(198, 187,  
148) }
```

# Background

The CSS property to change the background color of an element to CIELCh 76, 21.316, 96.204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 187, 148) }
```

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

```
.background{ background-color: rgb(198,  
187, 148) }
```

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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