

# Converting Colors

CIELCh(73, 16.862, 93.236)

Have a look what the booklet for  
CIELCh(73, 16.862, 93.236) contains.

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# **Color**

**CIELCh(73, 16.778, 93.364)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">BEB395</a>
RGB	190, 179, 149
RGB Percent	75%, 70%, 58%
CMY	0.2563, 0.2994, 0.4170
CMYK	0.00, 0.06, 0.22, 0.26
HSL	44°, 24%, 66%
HSV	44°, 22%, 74%
XYZ	42.5977, 45.1644, 34.7671
YIQ	178.8690, 16.1860, -6.9980

# Conversions

## Conversions Part 2

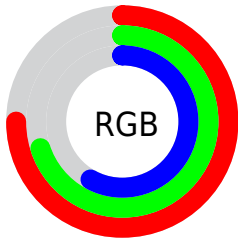
Format	Color
<a href="#">RYB</a>	<a href="#">164, 190, 149</a>
Decimal	<a href="#">12497813</a>
CIELab	<a href="#">73.00, -0.98, 16.75</a>
CIELCh	<a href="#">73, 16.778, 93.364</a>
Yxy	<a href="#">45.1644, 0.3477, 0.3686</a>
Android (android.graphics.Color)	<a href="#">4290687893</a> ( <a href="#">0xFFBEB395</a> )
YUV	<a href="#">178.8690, -14.7254, 9.7619</a>
Hunter-Lab	<a href="#">67.2044, -4.4651, 16.3705</a>

# Details

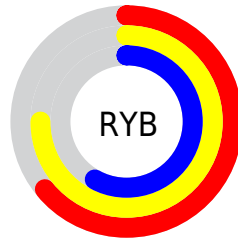
The CIELCh color **73, 16.778, 93.364** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **66, 16.958, 278.967**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 17.026, 93.478**, and **53, 16.673, 93.025** is the 20% darker color. If you saturate the color by 10%, you get **71, 24.683, 92.105**, and if you desaturate by 10%, it is **75, 8.951, 94.594**.

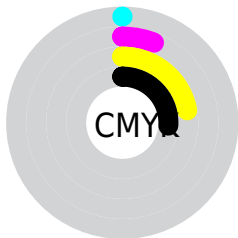
# Distribution



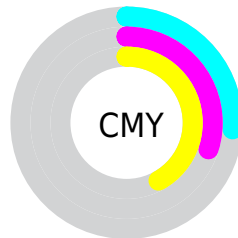
- Red (75%)
- Green (70%)
- Blue (58%)



- Red (64%)
- Yellow (75%)
- Blue (58%)



- Cyan (0%)
- Magenta (6%)
- Yellow (22%)
- Black (26%)



- Cyan (26%)
- Magenta (30%)
- Yellow (42%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 16.778, 93.364 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 73, 16.778, 93.364 by changing the saturation by 10% instead.



 73, 16.778, 93.364

 73, 16.778, 93.364

 100, 16.778,  
93.364

 63, 16.778, 93.364

 93, 16.778, 93.364

 53, 16.778, 93.364

 43, 16.778, 93.364

 33, 16.778, 93.364

 23, 16.778, 93.364

 13, 16.778, 93.364

 3, 16.778, 93.364

 0, 16.778, 93.364

 73, 16.778, 93.364

 73, 16.778, 93.364

71, 24.683, 92.105

75, 8.951, 94.594

70, 32.608, 90.804

77, 1.224, 95.650

68, 40.448, 89.469

78, 6.390, 276.981

66, 48.012, 88.094

80, 13.890,  
278.062

65, 54.965, 86.658

82, 21.280,  
279.103

64, 60.781, 85.109

84, 24.780,  
277.585

62, 64.778, 83.353

61, 66.746, 81.704

85, 22.584,  
271.458

86, 20.693,  
264.178

88, 19.190,  
255.671

# Harmonies

# Complementary

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



73, 16.778, 93.364



66, 16.958, 278.967

# Rectangle

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



73, 16.778, 93.364



73, 16.778, 143.364



73, 16.778, 273.364



73, 16.778, 323.364

# Sweetspot

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



73, 16.779, 93.371



96, 5.712, 95.236



66, 17.202, 359.334



51, 3.822, 95.161



99, 0.012, 296.813



52, 0.007, 296.813

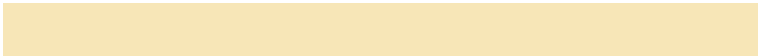


# Same Dimension

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



73, 16.779, 93.371



92, 25.123, 92.766



75, 22.170, 117.211



39, 4.344, 94.861



51, 58.394, 82.040



8, 11.860, 86.685





# Inverse Universe

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



66, 16.958, 278.967



81, 25.459, 279.770



64, 23.203, 300.253



37, 4.370, 277.182



24, 74.451, 299.455



2, 14.187, 281.629



# Previews

## White Background



This preview shows how the CIELCh color 73, 16.778, 93.364 looks on a white background.

## Color Contrast Check

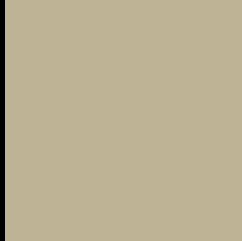
Large Text (above 18pt) WCAG AA × Fail

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 73, 16.778, 93.364 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

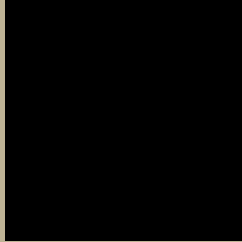
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 73, 16.778, 93.364

## Background



This preview shows how black text looks on a background with the CIELCh color 73, 16.778, 93.364.



This preview shows how white text looks on a background with the CIELCh color 73, 16.778, 93.364.

# 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

73, 16.778, 93.364

### Protanopia

73, 16.675, 94.701

### Deuteranopia

73, 18.657, 59.542



**Tritanopia**  
73, 11.211, 337.769



# Trichromacy



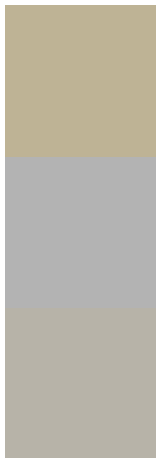
**Original Color**  
73, 16.778, 93.364

**Protanomaly**  
73, 16.675, 94.701

**Deuteranomaly**  
73, 17.040, 69.148

**Tritanomaly**  
73, 6.975, 28.806

# Monochromacy



**Original Color**  
73, 16.778, 93.364

**Achromatopsia**  
73, 0.009, 296.813

**Achromatomaly**  
73, 6.131, 95.102

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 73, 16.778, 93.364 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(190, 179, 149)` looks like.

```
.text, #text, p{  
    color:rgb(190, 179, 149)  
}
```

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(190, 179, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 179, 149) }
```

## Border

The CSS property to change the border of an element to CIELCh 73, 16.778, 93.364 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(190, 179, 149) }
```

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

```
.border{ border-color:rgb(190, 179, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 179, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 179, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 179, 149);  
box-shadow:4px 4px 4px 4px rgb(190, 179,  
149) }
```

# Background

The CSS property to change the background color of an element to CIELCh 73, 16.778, 93.364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 179, 149) }
```

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

```
.background{ background-color: rgb(190,  
179, 149) }
```

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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