

# Converting Colors

CIELCh(77, 23.670, 85.461)

Have a look what the booklet for  
CIELCh(77, 23.670, 85.461) contains.

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# Color

**CIELCh(77, 23.385, 84.598)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2BB93
RGB	210, 187, 147
RGB Percent	82%, 73%, 58%
CMY	0.1752, 0.2655, 0.4224
CMYK	0.00, 0.11, 0.30, 0.18
HSL	38°, 41%, 70%
HSV	38°, 30%, 82%
XYZ	49.7908, 51.5317, 35.0459
YIQ	189.3170, 26.5480, -7.5640

# Conversions

## Conversions Part 2

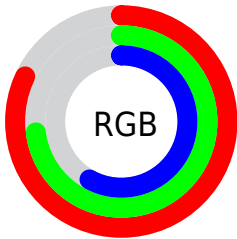
Format	Color
<b>RYB</b>	183, 210, 147
Decimal	13810579
CIELab	77.00, 2.20, 23.28
CIELCh	77, 23.385, 84.598
Yxy	51.5317, 0.3651, 0.3779
Android (android.graphics.Color)	4292000659 (0xFFD2BB93)
YUV	189.3170, -20.8623, 18.1390
Hunter-Lab	71.7856, -1.8165, 21.3044

# Details

The CIELCh color **77, 23.385, 84.598** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **69, 22.945, 273.204**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 21.874, 96.514**, and **57, 23.525, 84.392** is the 20% darker color. If you saturate the color by 10%, you get **75, 31.545, 83.229**, and if you desaturate by 10%, it is **79, 15.388, 85.938**.

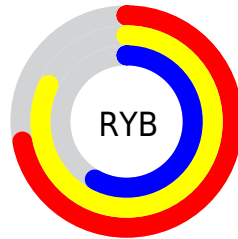
# Distribution



Red (82%)

Green (73%)

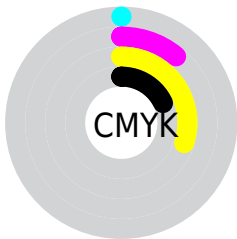
Blue (58%)



Red (72%)

Yellow (82%)

Blue (58%)

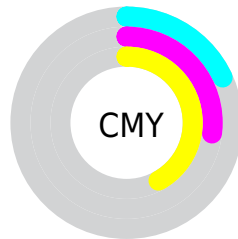


Cyan (0%)

Magenta (11%)

Yellow (30%)

Black (18%)



Cyan (18%)

Magenta (27%)

Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 23.385, 84.598 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 77, 23.385, 84.598 by changing the saturation by 10% instead.



■ 77, 23.385, 84.598

■ 77, 23.385, 84.598

■ 100, 23.385,  
84.598

■ 67, 23.385, 84.598

■ 97, 23.385, 84.598

■ 57, 23.385, 84.598

■ 47, 23.385, 84.598

■ 37, 23.385, 84.598

■ 27, 23.385, 84.598

■ 17, 23.385, 84.598

■ 7, 23.385, 84.598

■ 0, 23.385, 84.598

■ 77, 23.385, 84.598

■ 77, 23.385, 84.598

75, 31.545, 83.229

79, 15.388, 85.938

72, 39.796, 81.810

82, 7.579, 87.219

70, 47.986, 80.335

84, 0.036, 276.214

68, 55.826, 78.763

87, 7.463, 269.754

66, 62.796, 77.010

89, 14.714,  
270.892

64, 68.106, 74.913

91, 13.396,  
256.141

62, 71.359, 72.366

62, 71.370, 72.357

93, 12.341,  
234.692

95, 13.114,  
212.948

97, 14.901,  
198.513

# Harmonies

# Complementary

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



77, 23.385, 84.598



69, 22.945, 273.204

# Rectangle

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



77, 23.385, 84.598



77, 23.385, 134.598



77, 23.385, 264.598



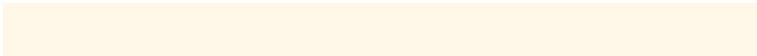
77, 23.385, 314.598

# Sweetspot

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



77, 23.386, 84.604



97, 7.994, 87.326



68, 27.234, 354.690



52, 5.566, 87.144



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



77, 23.386, 84.604



90, 33.097, 83.724



82, 32.991, 113.105



43, 4.292, 87.288



51, 60.445, 72.889



11, 16.424, 75.065





# Inverse Universe

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



69, 22.945, 273.204



79, 32.351, 274.531



64, 35.392, 298.253



41, 4.276, 269.786



30, 67.529, 294.456

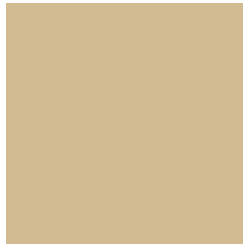


4, 19.077, 281.564



# Previews

## White Background



This preview shows how the CIELCh color 77, 23.385, 84.598 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 77, 23.385, 84.598 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

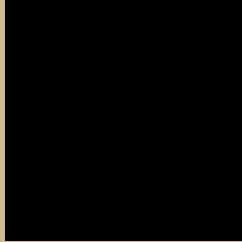
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 77, 23.385, 84.598

## Background



This preview shows how black text looks on a background with the CIELCh color 77, 23.385, 84.598.



This preview shows how white text looks on a background with the CIELCh color 77, 23.385, 84.598.

# 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

77, 23.385, 84.598

### Protanopia

77, 22.989, 94.886

### Deuteranopia

77, 25.098, 67.729



**Tritanopia**  
77, 15.064, 350.918



# Trichromacy



**Original Color**  
77, 23.385, 84.598

**Protanomaly**  
77, 22.944, 90.682

**Deuteranomaly**  
77, 24.083, 74.335

**Tritanomaly**  
77, 12.266, 32.834

# Monochromacy



**Original Color**  
77, 23.385, 84.598

**Achromatopsia**  
77, 0.009, 296.813

**Achromatomaly**  
77, 8.578, 88.466

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 77, 23.385, 84.598 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, 187, 147)` looks like.

```
.text, #text, p{  
    color:rgb(210, 187, 147)  
}
```

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, 187, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 187, 147) }
```

## Border

The CSS property to change the border of an element to CIELCh 77, 23.385, 84.598 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, 187, 147) }
```

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

```
.border{ border-color:rgb(210, 187, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 187, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 187, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 187, 147);  
box-shadow:4px 4px 4px 4px rgb(210, 187,  
147) }
```

# Background

The CSS property to change the background color of an element to CIELCh 77, 23.385, 84.598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 187, 147) }
```

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

```
.background{ background-color: rgb(210,  
187, 147) }
```

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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