

# Converting Colors

CIELCh(76, 38.393, 79.535)

Have a look what the booklet for  
CIELCh(76, 38.393, 79.535) contains.

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# **Color**

**CIELCh(76, 38.197, 79.654)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEB576
RGB	222, 181, 118
RGB Percent	87%, 71%, 46%
CMY	0.1294, 0.2902, 0.5372
CMYK	0.00, 0.18, 0.47, 0.13
HSL	36°, 61%, 67%
HSV	36°, 47%, 87%
XYZ	49.9199, 49.8872, 24.1384
YIQ	186.0770, 44.6590, -10.9010

# Conversions

## Conversions Part 2

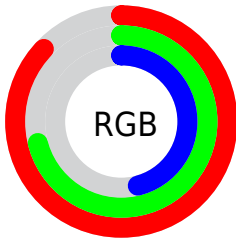
Format	Color
R <sub>Y</sub> B	186, 222, 118
Decimal	14595446
CIE Lab	76.00, 6.86, 37.58
CIE LCh	76, 38.197, 79.654
Yxy	49.8872, 0.4028, 0.4025
Android (android.graphics.Color)	4292785526 (0xFFDEB576)
YUV	186.0770, -33.5620, 31.5045
Hunter-Lab	70.6309, 2.5546, 29.1791

# Details

The CIELCh color **76, 38.197, 79.654** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **65, 36.407, 274.582**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.394, 95.577**, and **56, 38.263, 79.222** is the 20% darker color. If you saturate the color by 10%, you get **74, 46.787, 78.199**, and if you desaturate by 10%, it is **79, 29.667, 81.068**.

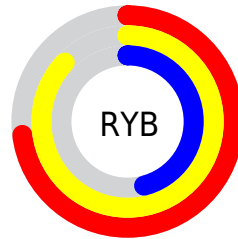
# Distribution



Red (87%)

Green (71%)

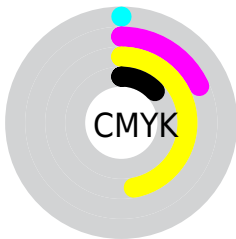
Blue (46%)



Red (73%)

Yellow (87%)

Blue (46%)

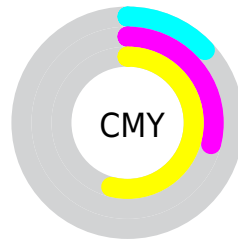


Cyan (0%)

Magenta (18%)

Yellow (47%)

Black (13%)



Cyan (13%)

Magenta (29%)

Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 38.197, 79.654 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, 38.197, 79.654 by changing the saturation by 10% instead.



 76, 38.197, 79.654

 76, 38.197, 79.654

 100, 38.197,  
79.654

 66, 38.197, 79.654

 96, 38.197, 79.654

 56, 38.197, 79.654

 46, 38.197, 79.654

 36, 38.197, 79.654

 26, 38.197, 79.654

 16, 38.197, 79.654

 6, 38.197, 79.654

 0, 38.197, 79.654

 76, 38.197, 79.654

 76, 38.197, 79.654

74, 46.787, 78.199

79, 29.667, 81.068

71, 55.199, 76.655

81, 21.310, 82.438

69, 62.984, 74.950

84, 13.173, 83.765

67, 69.387, 72.928

87, 5.270, 85.027

65, 73.510, 70.352

89, 2.406, 266.467

64, 74.564, 69.495

92, 9.869, 267.576

94, 9.355, 243.699

97, 9.965, 210.711

98, 11.152,  
198.761

# Harmonies

# Complementary

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



76, 38.197, 79.654



65, 36.407, 274.582

# Rectangle

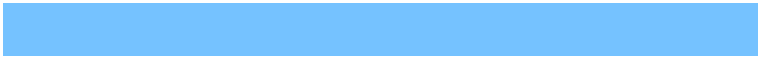
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76, 38.197, 79.654



76, 38.197, 129.654



76, 38.197, 259.654



76, 38.197, 309.654

# Sweetspot

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



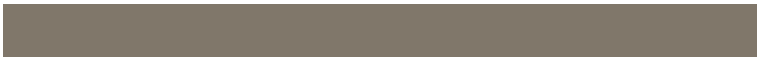
76, 38.197, 79.659



96, 12.199, 84.120



63, 45.315, 355.014



50, 8.450, 83.839



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, 38.197, 79.659



84, 51.559, 78.260



86, 52.774, 110.343



46, 4.428, 84.710



51, 62.624, 70.062



13, 20.131, 72.110



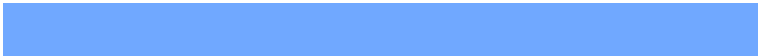


# Inverse Universe

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



65, 36.407, 274.582



69, 48.887, 277.273



55, 59.748, 299.551



44, 4.396, 267.254



33, 66.595, 292.674



6, 22.303, 283.290



# Previews

## White Background



This preview shows how the CIELCh color 76, 38.197, 79.654 looks on a white background.

## Color Contrast Check

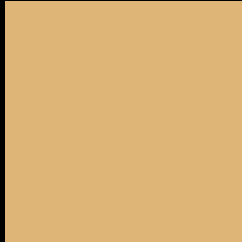
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 76, 38.197, 79.654 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

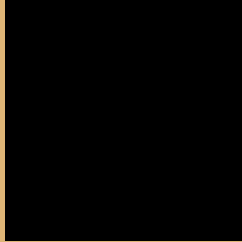
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 76, 38.197, 79.654

## Background



This preview shows how black text looks on a background with the CIELCh color 76, 38.197, 79.654.



This preview shows how white text looks on a background with the CIELCh color 76, 38.197, 79.654.

# 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, 38.197, 79.654

### Protanopia

76, 36.127, 96.069

### Deuteranopia

76, 38.720, 75.727



**Tritanopia**  
76, 22.047, 3.087



# Trichromacy



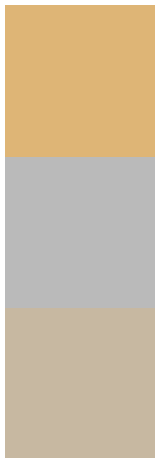
**Original Color**  
76, 38.197, 79.654

**Protanomaly**  
76, 36.348, 89.246

**Deuteranomaly**  
76, 38.664, 77.133

**Tritanomaly**  
76, 21.759, 42.371

# Monochromacy



**Original Color**  
76, 38.197, 79.654

**Achromatopsia**  
76, 0.009, 296.813

**Achromatomaly**  
75, 13.700, 83.437

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 76, 38.197, 79.654 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(222, 181, 118)` looks like.

```
.text, #text, p{  
    color:rgb(222, 181, 118)  
}
```

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(222, 181, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 181, 118) }
```

## Border

The CSS property to change the border of an element to CIELCh 76, 38.197, 79.654 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(222, 181, 118) }
```

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

```
.border{ border-color:rgb(222, 181, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 181, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 181, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 181, 118);  
box-shadow:4px 4px 4px 4px rgb(222, 181,  
118) }
```

# Background

The CSS property to change the background color of an element to CIELCh 76, 38.197, 79.654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 181, 118) }
```

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

```
.background{ background-color: rgb(222,  
181, 118) }
```

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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