

# Converting Colors

CIELCh(80, 14.989, 75.217)

Have a look what the booklet for  
CIELCh(80, 14.989, 75.217) contains.

<b>CIELCh(80, 14.735, 75.258)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	20
<b><i>Color Blindness Simulation</i></b> .....	23
<b><i>CSS Examples</i></b> .....	26

# Color

**CIELCh(80, 14.735, 75.258)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8C3AC
RGB	216, 195, 172
RGB Percent	85%, 76%, 67%
CMY	0.1525, 0.2348, 0.3250
CMYK	0.00, 0.10, 0.20, 0.15
HSL	31°, 36%, 76%
HSV	31°, 20%, 85%
XYZ	55.3517, 56.6813, 47.1091
YIQ	198.6570, 19.8990, -2.7010

# Conversions

## Conversions Part 2

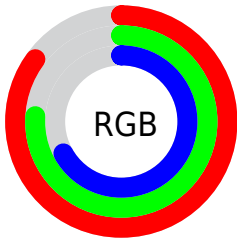
Format	Color
R <sub>Y</sub> B	212, 216, 172
Decimal	14205868
CIE Lab	80.00, 3.75, 14.25
CIE LCh	80, 14.735, 75.258
Yxy	56.6813, 0.3478, 0.3562
Android (android.graphics.Color)	4292395948 (0xFFD8C3AC)
YUV	198.6570, -13.1419, 15.2098
Hunter-Lab	75.2870, -0.5173, 15.6015

# Details

The CIELCh color  $80, 14.735, 75.258$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $77, 14.071, 260.830$ , and the grayscale version is  $80, 0.010, 296.813$ .

A 20% lighter version of the original color is  $99, 12.717, 104.283$ , and  $60, 14.558, 73.591$  is the 20% darker color. If you saturate the color by 10%, you get  $77, 22.457, 73.984$ , and if you desaturate by 10%, it is  $83, 7.337, 76.514$ .

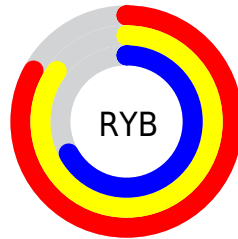
# Distribution



Red (85%)

Green (76%)

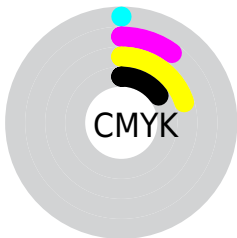
Blue (67%)



Red (83%)

Yellow (85%)

Blue (67%)

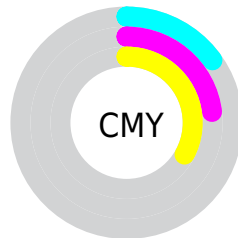


Cyan (0%)

Magenta (10%)

Yellow (20%)

Black (15%)



Cyan (15%)

Magenta (23%)

Yellow (33%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 14.735, 75.258 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 80, 14.735, 75.258 by changing the saturation by 10% instead.



 80, 14.735, 75.258

 80, 14.735, 75.258

 100, 14.735,  
75.258

 70, 14.735, 75.258

 60, 14.735, 75.258

 50, 14.735, 75.258

 40, 14.735, 75.258

 30, 14.735, 75.258

 20, 14.735, 75.258

 10, 14.735, 75.258

 0, 14.735, 75.258

 80, 14.735, 75.258

 80, 14.735, 75.258

77, 22.457, 73.984

83, 7.337, 76.514

74, 30.501, 72.676

86, 0.243, 76.282

71, 38.836, 71.346

89, 6.572, 259.070

68, 47.355, 69.976

93, 11.629,  
255.233

66, 55.819, 68.513

95, 11.005,  
221.768

63, 63.739, 66.835

61, 70.266, 64.703

97, 13.054,  
198.634

58, 74.711, 62.085

# Harmonies

# Complementary

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



80, 14.735, 75.258



77, 14.071, 260.830

# Rectangle

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



80, 14.735, 75.258



80, 14.735, 125.258



80, 14.735, 255.258



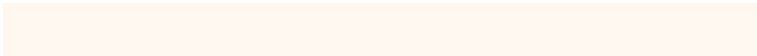
80, 14.735, 305.258

# Sweetspot

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



80, 14.736, 75.268



98, 4.812, 77.016



75, 20.004, 346.371



52, 3.197, 76.942



0, 0.000, 0.000



53, 0.007, 296.813

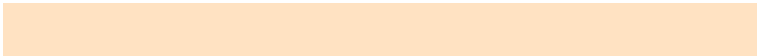


# Same Dimension

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



80, 14.736, 75.268



91, 20.031, 74.775



85, 22.912, 108.918



43, 3.981, 76.627



47, 62.528, 62.737



10, 17.062, 61.998



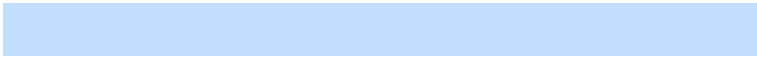


# Inverse Universe

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



77, 14.071, 260.830



88, 18.939, 261.510



72, 24.020, 293.073



43, 3.908, 259.148



36, 55.648, 285.957

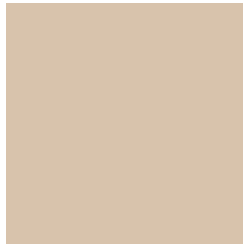


6, 17.764, 275.004



# Previews

## White Background



This preview shows how the CIELCh color 80, 14.735, 75.258 looks on a white background.

## Color Contrast Check

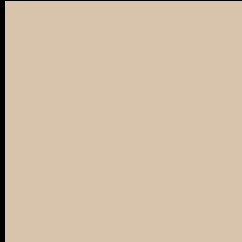
Large Text (above 18pt) WCAG AA × Fail

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 80, 14.735, 75.258 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

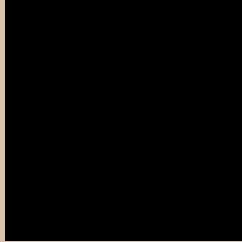
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 80, 14.735, 75.258

## Background



This preview shows how black text looks on a background with the CIELCh color 80, 14.735, 75.258.

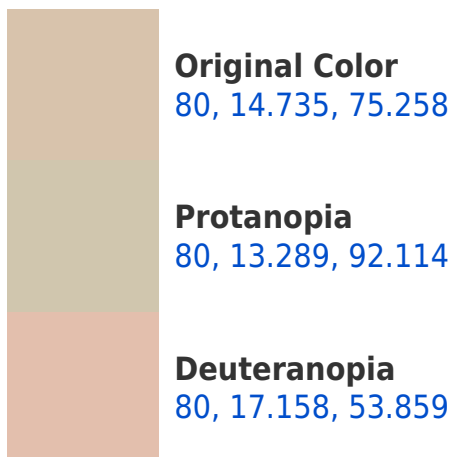



This preview shows how white text looks on a background with the CIELCh color 80, 14.735, 75.258.

# 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





**Tritanopia**  
80, 13.645, 344.785



# Trichromacy



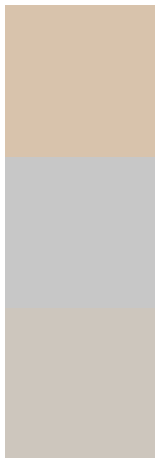
**Original Color**  
80, 14.735, 75.258

**Protanomaly**  
80, 13.841, 85.902

**Deuteranomaly**  
80, 15.861, 59.315

**Tritanomaly**  
80, 10.174, 17.190

# Monochromacy



**Original Color**  
80, 14.735, 75.258

**Achromatopsia**  
80, 0.010, 296.813

**Achromatomaly**  
80, 5.430, 80.832

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 80, 14.735, 75.258 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(216, 195, 172)` looks like.

```
.text, #text, p{  
    color:rgb(216, 195, 172)  
}
```

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(216, 195, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 195, 172) }
```

## Border

The CSS property to change the border of an element to CIELCh 80, 14.735, 75.258 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(216, 195, 172) }
```

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

```
.border{ border-color:rgb(216, 195, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 195, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 195, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 195, 172);  
box-shadow:4px 4px 4px 4px rgb(216, 195,  
172) }
```

# Background

The CSS property to change the background color of an element to CIELCh 80, 14.735, 75.258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 195, 172) }
```

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

```
.background{ background-color: rgb(216,  
195, 172) }
```

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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