

# Converting Colors

CIELCh(72, 37.951, 45.172)

Have a look what the booklet for  
CIELCh(72, 37.951, 45.172) contains.

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# Color

**CIELCh(72, 37.893, 45.172)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ED9D81
RGB	237, 157, 129
RGB Percent	93%, 62%, 51%
CMY	0.0709, 0.3846, 0.4944
CMYK	0.00, 0.34, 0.46, 0.07
HSL	16°, 75%, 72%
HSV	16°, 46%, 93%
XYZ	50.8961, 43.6590, 26.4868
YIQ	177.7280, 56.6680, 8.2520

# Conversions

## Conversions Part 2

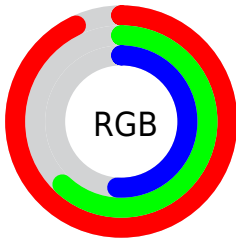
Format	Color
R <sub>Y</sub> B	237, 167, 129
Decimal	15572353
CIE Lab	72.00, 26.71, 26.87
CIE LCh	72, 37.893, 45.172
Yxy	43.6590, 0.4205, 0.3607
Android (android.graphics.Color)	4293762433 (0xFFED9D81)
YUV	177.7280, -24.0229, 51.9815
Hunter-Lab	66.0750, 21.8633, 22.4855

# Details

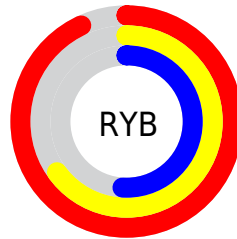
The CIELCh color **72, 37.893, 45.172** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **80, 27.534, 231.127**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 23.155, 62.198**, and **52, 37.912, 45.539** is the 20% darker color. If you saturate the color by 10%, you get **68, 48.049, 45.258**, and if you desaturate by 10%, it is **77, 28.401, 45.257**.

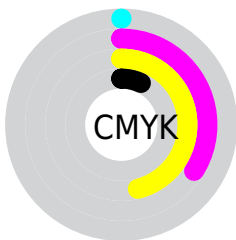
# Distribution



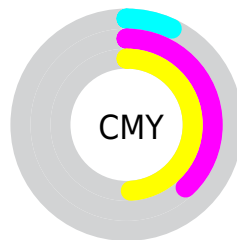
- Red (93%)
- Green (62%)
- Blue (51%)



- Red (93%)
- Yellow (65%)
- Blue (51%)



- Cyan (0%)
- Magenta (34%)
- Yellow (46%)
- Black (7%)



- Cyan (7%)
- Magenta (38%)
- Yellow (49%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 37.893, 45.172 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 72, 37.893, 45.172 by changing the saturation by 10% instead.



 72, 37.893, 45.172

 72, 37.893, 45.172

 100, 37.893,  
45.172

 62, 37.893, 45.172

 92, 37.893, 45.172

 52, 37.893, 45.172

 42, 37.893, 45.172

 32, 37.893, 45.172

 22, 37.893, 45.172

 12, 37.893, 45.172

 2, 37.893, 45.172

 0, 37.893, 45.172

 72, 37.893, 45.172

 72, 37.893, 45.172

68, 48.049, 45.258

77, 28.401, 45.257

64, 58.760, 45.498

81, 19.600, 45.476

60, 69.718, 45.825

86, 11.464, 45.798

57, 80.213, 46.008

91, 3.946, 46.131

54, 88.771, 45.502

96, 3.015, 226.974

53, 91.856, 45.157

99, 6.208, 199.119

# Harmonies

# Complementary

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



72, 37.893, 45.172



80, 27.534, 231.127

# Rectangle

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



72, 37.893, 45.172



72, 37.893, 95.172



72, 37.893, 225.172



72, 37.893, 275.172

# Sweetspot

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



72, 37.891, 45.177



93, 10.868, 45.853



68, 56.945, 335.604



48, 7.568, 45.776



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



72, 37.891, 45.177



73, 50.401, 45.252



85, 43.459, 91.518



47, 4.047, 46.018



41, 74.627, 45.665



10, 24.092, 38.258





# Inverse Universe

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



80, 27.534, 231.127



83, 33.709, 232.993



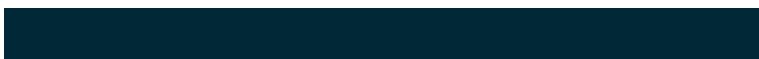
65, 45.241, 284.921



48, 3.830, 227.181



52, 35.745, 248.082



14, 14.743, 240.136



# Previews

## White Background



This preview shows how the CIELCh color 72, 37.893, 45.172 looks on a white background.

## Color Contrast Check

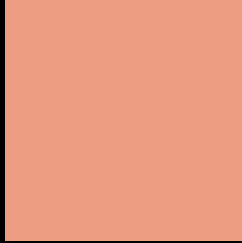
Large Text (above 18pt) WCAG AA × Fail

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 72, 37.893, 45.172 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

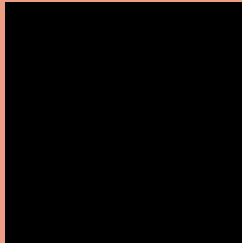
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 72, 37.893, 45.172

## Background



This preview shows how black text looks on a background with the CIELCh color 72, 37.893, 45.172.

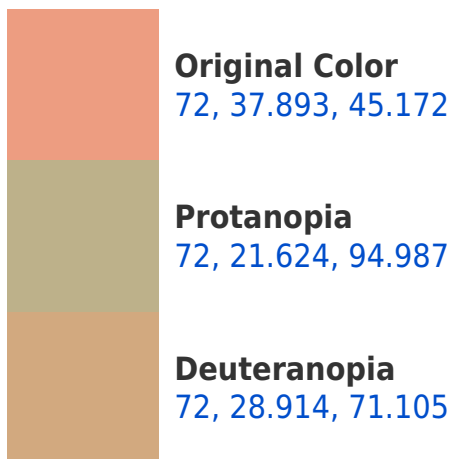


This preview shows how white text looks on a background with the CIELCh color 72, 37.893, 45.172.

# 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**  
72, 35.287, 12.512



# Trichromacy



**Original Color**  
72, 37.893, 45.172

**Protanomaly**  
72, 24.395, 70.408

**Deuteranomaly**  
72, 31.255, 59.996

**Tritanomaly**  
72, 34.777, 25.280

# Monochromacy



**Original Color**  
72, 37.893, 45.172

**Achromatopsia**  
73, 0.009, 296.813

**Achromatomaly**  
72, 12.724, 45.341

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 37.893, 45.172 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(237, 157, 129)` looks like.

```
.text, #text, p{  
    color:rgb(237, 157, 129)  
}
```

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(237, 157, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 157, 129) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 37.893, 45.172 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(237, 157, 129) }
```

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

```
.border{ border-color:rgb(237, 157, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 157, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 157, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 157, 129);  
box-shadow:4px 4px 4px 4px rgb(237, 157,  
129) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 37.893, 45.172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 157, 129) }
```

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

```
.background{ background-color: rgb(237,  
157, 129) }
```

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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