

# Converting Colors

CIELCh(77, 23.972, 37.798)

Have a look what the booklet for  
CIELCh(77, 23.972, 37.798) contains.

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# Color

**CIELCh(77, 24.004, 37.801)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAB1A4
RGB	234, 177, 164
RGB Percent	92%, 69%, 64%
CMY	0.0829, 0.3064, 0.3574
CMYK	0.00, 0.24, 0.30, 0.08
HSL	11°, 62%, 78%
HSV	11°, 30%, 92%
XYZ	56.2658, 51.5317, 42.0381
YIQ	192.5610, 38.1450, 8.0410

# Conversions

## Conversions Part 2

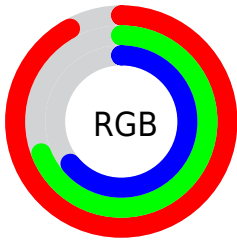
Format	Color
<b>R<sub>YB</sub></b>	234, 180, 164
Decimal	15380900
CIE Lab	77.00, 18.97, 14.71
CIE LCh	77, 24.004, 37.801
Yxy	51.5317, 0.3755, 0.3439
Android (android.graphics.Color)	4293570980 (0xFFEAB1A4)
YUV	192.5610, -14.0806, 36.3420
Hunter-Lab	71.7856, 14.2841, 15.5293

# Details

The CIELCh color **77, 24.004, 37.801** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **85, 19.450, 219.004**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 10.850, 61.102**, and **57, 24.116, 37.866** is the 20% darker color. If you saturate the color by 10%, you get **72, 33.392, 38.120**, and if you desaturate by 10%, it is **82, 15.323, 37.668**.

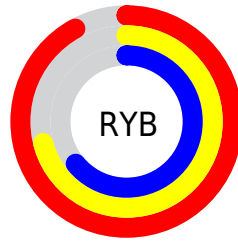
# Distribution



Red (92%)

Green (69%)

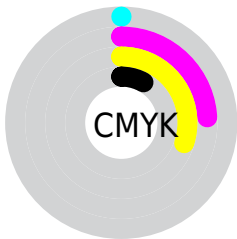
Blue (64%)



Red (92%)

Yellow (71%)

Blue (64%)

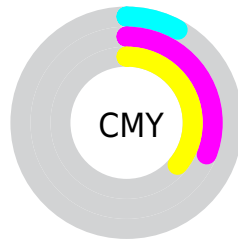


Cyan (0%)

Magenta (24%)

Yellow (30%)

Black (8%)



Cyan (8%)

Magenta (31%)

Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 24.004, 37.801 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, 24.004, 37.801 by changing the saturation by 10% instead.



77, 24.004, 37.801

77, 24.004, 37.801

100, 24.004,  
37.801

67, 24.004, 37.801

97, 24.004, 37.801

57, 24.004, 37.801

47, 24.004, 37.801

37, 24.004, 37.801

27, 24.004, 37.801

17, 24.004, 37.801

7, 24.004, 37.801

0, 24.004, 37.801

77, 24.004, 37.801

77, 24.004, 37.801

72, 33.392, 38.120

82, 15.323, 37.668

67, 43.482, 38.651

87, 7.321, 37.640

63, 54.194, 39.434

93, 0.054, 229.275

59, 65.326, 40.466

98, 6.618, 207.853

56, 76.419, 41.631

99, 7.236, 199.039

53, 86.445, 42.548

51, 93.881, 42.738

51, 93.931, 42.742

# Harmonies

# Complementary

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



77, 24.004, 37.801



85, 19.450, 219.004

# Rectangle

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



77, 24.004, 37.801



77, 24.004, 87.801



77, 24.004, 217.801



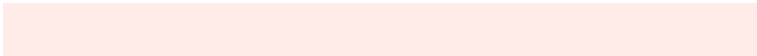
77, 24.004, 267.801

# Sweetspot

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



77, 24.003, 37.808



95, 7.094, 37.638



76, 39.317, 331.851



50, 4.959, 37.641



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, 24.003, 37.808



80, 31.795, 37.979



86, 26.515, 88.592



46, 4.192, 37.639



40, 77.147, 43.114



9, 25.135, 33.329



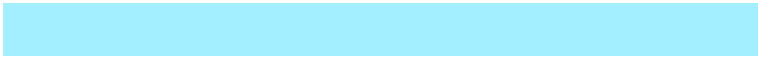


# Inverse Universe

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



85, 19.450, 219.004



90, 24.474, 219.454



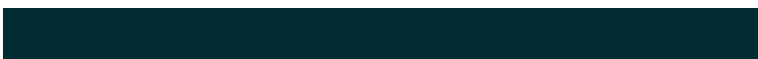
75, 26.502, 277.048



48, 3.948, 218.140



56, 33.780, 232.399

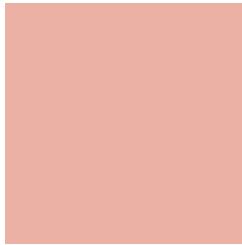


16, 14.419, 226.479



# Previews

## White Background



This preview shows how the CIELCh color 77, 24.004, 37.801 looks on a white background.

## Color Contrast Check

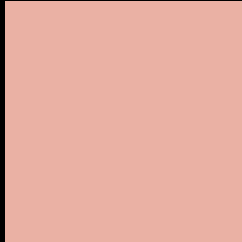
Large Text (above 18pt) WCAG AA × Fail

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, 24.004, 37.801 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

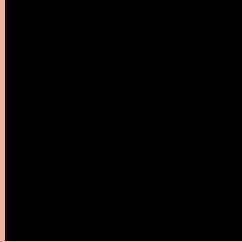
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 77, 24.004, 37.801

## Background



This preview shows how black text looks on a background with the CIELCh color 77, 24.004, 37.801.



This preview shows how white text looks on a background with the CIELCh color 77, 24.004, 37.801.

# 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, 24.004, 37.801

### Protanopia

77, 11.116, 93.016

### Deuteranopia

77, 18.002, 56.443



**Tritanopia**  
77, 25.123, 4.487



# Trichromacy



**Original Color**  
77, 24.004, 37.801

**Protanomaly**  
77, 13.716, 61.274

**Deuteranomaly**  
77, 19.827, 49.354

**Tritanomaly**  
77, 23.811, 15.114

# Monochromacy



**Original Color**  
77, 24.004, 37.801

**Achromatopsia**  
78, 0.009, 296.813

**Achromatomaly**  
77, 8.275, 34.893

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 77, 24.004, 37.801 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(234, 177, 164)` looks like.

```
.text, #text, p{  
    color:rgb(234, 177, 164)  
}
```

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(234, 177, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 177, 164) }
```

## Border

The CSS property to change the border of an element to CIELCh 77, 24.004, 37.801 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(234, 177, 164) }
```

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

```
.border{ border-color:rgb(234, 177, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 177, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 177, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 177, 164);  
box-shadow:4px 4px 4px 4px rgb(234, 177,  
164) }
```

# Background

The CSS property to change the background color of an element to CIELCh 77, 24.004, 37.801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 177, 164) }
```

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

```
.background{ background-color: rgb(234,  
177, 164) }
```

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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