

# Converting Colors

CIELCh(75, 35.819, 62.393)

Have a look what the booklet for  
CIELCh(75, 35.819, 62.393) contains.

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# Color

**CIELCh(75, 35.770, 62.412)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8AC7F
RGB	232, 172, 127
RGB Percent	91%, 67%, 50%
CMY	0.0896, 0.3249, 0.5014
CMYK	0.00, 0.26, 0.45, 0.09
HSL	26°, 70%, 70%
HSV	26°, 45%, 91%
XYZ	51.9497, 48.2781, 26.7065
YIQ	184.8100, 50.2050, -1.2750

# Conversions

## Conversions Part 2

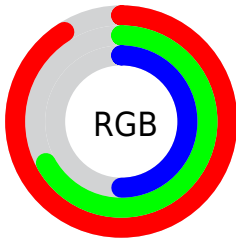
Format	Color
R <sub>Y</sub> B	232, 206, 127
Decimal	15248511
CIE Lab	75.00, 16.57, 31.70
CIE LCh	75, 35.770, 62.412
Yxy	48.2781, 0.4093, 0.3803
Android (android.graphics.Color)	4293438591 (0xFFE8AC7F)
YUV	184.8100, -28.5003, 41.3856
Hunter-Lab	69.4824, 11.8641, 25.8489

# Details

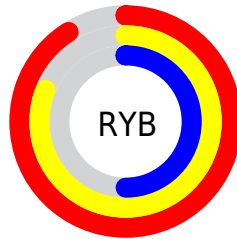
The CIELCh color **75, 35.770, 62.412** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **74, 29.463, 255.106**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 26.655, 83.915**, and **55, 35.851, 62.906** is the 20% darker color. If you saturate the color by 10%, you get **72, 44.956, 61.392**, and if you desaturate by 10%, it is **79, 27.033, 63.462**.

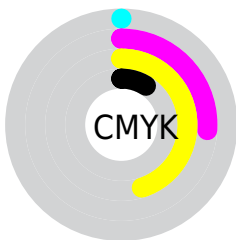
# Distribution



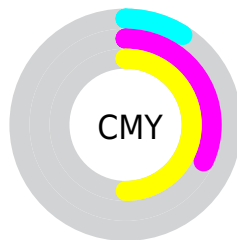
- Red (91%)
- Green (67%)
- Blue (50%)



- Red (91%)
- Yellow (81%)
- Blue (50%)



- Cyan (0%)
- Magenta (26%)
- Yellow (45%)
- Black (9%)



- Cyan (9%)
- Magenta (32%)
- Yellow (50%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 35.770, 62.412 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 75, 35.770, 62.412 by changing the saturation by 10% instead.



 75, 35.770, 62.412

 75, 35.770, 62.412

 100, 35.770,  
62.412

 65, 35.770, 62.412

 95, 35.770, 62.412

 55, 35.770, 62.412

 45, 35.770, 62.412

 35, 35.770, 62.412

 25, 35.770, 62.412

 15, 35.770, 62.412

 5, 35.770, 62.412

 0, 35.770, 62.412

 75, 35.770, 62.412

 75, 35.770, 62.412

72, 44.956, 61.392

79, 27.033, 63.462

68, 54.464, 60.358

82, 18.782, 64.529

65, 63.974, 59.229

86, 11.006, 65.603

62, 72.802, 57.801

90, 3.671, 66.615

59, 79.769, 55.681

94, 3.264, 247.982

58, 82.471, 54.513

98, 6.860, 213.152

98, 7.803, 198.997

# Harmonies

# Complementary

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



75, 35.770, 62.412



74, 29.463, 255.106

# Rectangle

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



75, 35.770, 62.412



75, 35.770, 112.412



75, 35.770, 242.412



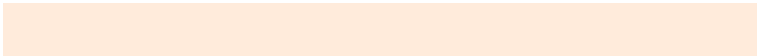
75, 35.770, 292.412

# Sweetspot

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



75, 35.769, 62.417



94, 10.876, 65.727



67, 49.980, 343.592



49, 7.557, 65.495



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



75, 35.769, 62.417



78, 47.300, 61.490



88, 49.037, 101.836



47, 4.069, 66.208



46, 68.136, 55.160



12, 22.367, 53.412



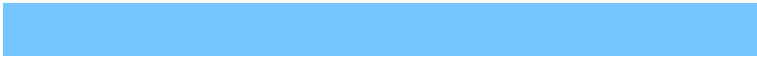


# Inverse Universe

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



74, 29.463, 255.106



76, 37.281, 257.628



60, 54.296, 293.353



47, 3.936, 248.515



43, 48.230, 276.038



11, 18.219, 267.288



# Previews

## White Background



This preview shows how the CIELCh color 75, 35.770, 62.412 looks on a white background.

## Color Contrast Check

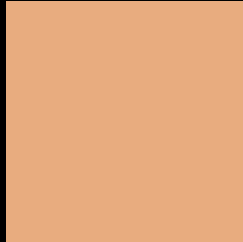
Large Text (above 18pt) WCAG AA × Fail

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 75, 35.770, 62.412 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

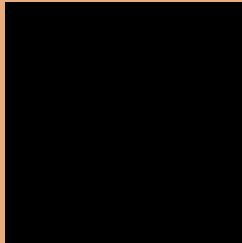
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 75, 35.770, 62.412

## Background



This preview shows how black text looks on a background with the CIELCh color 75, 35.770, 62.412.

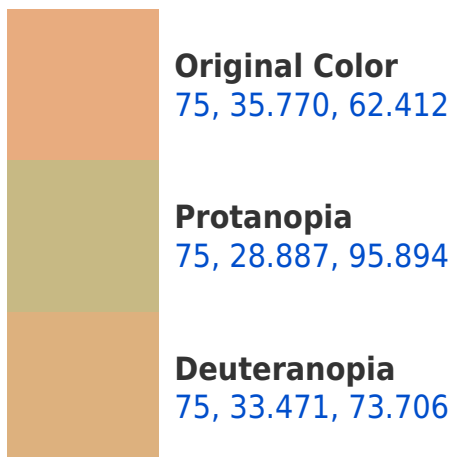


This preview shows how white text looks on a background with the CIELCh color 75, 35.770, 62.412.

# 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

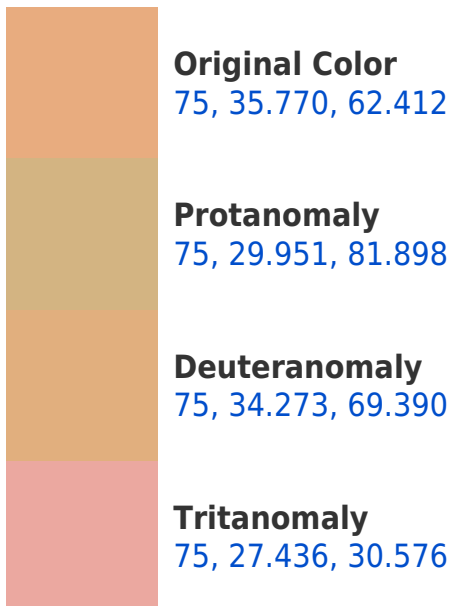




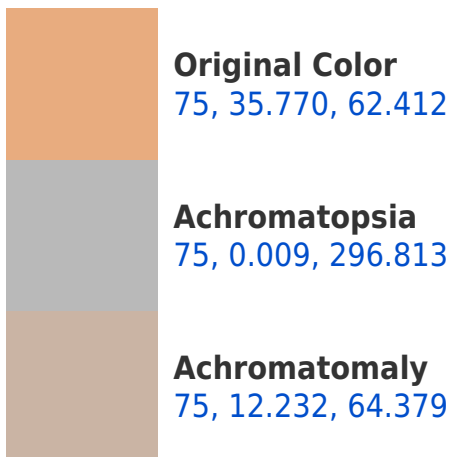
**Tritanopia**  
75, 28.654, 8.147



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 35.770, 62.412 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(232, 172, 127)` looks like.

```
.text, #text, p{  
    color:rgb(232, 172, 127)  
}
```

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(232, 172, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 172, 127) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 35.770, 62.412 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(232, 172, 127) }
```

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

```
.border{ border-color:rgb(232, 172, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 172, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 172, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 172, 127);  
box-shadow:4px 4px 4px 4px rgb(232, 172,  
127) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 35.770, 62.412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 172, 127) }
```

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

```
.background{ background-color: rgb(232,  
172, 127) }
```

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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