

Converting Colors

CIELCh(78, 33.948, 63.458)

Have a look what the booklet for
CIELCh(78, 33.948, 63.458) contains.

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Color

CIELCh(78, 33.991, 63.440)

Conversions

Conversions Part 1

Format	Color
Hex	EEB589
RGB	238, 181, 137
RGB Percent	93%, 71%, 54%
CMY	0.0654, 0.2890, 0.4616
CMYK	0.00, 0.24, 0.42, 0.07
HSL	26°, 75%, 74%
HSV	26°, 42%, 93%
XYZ	56.4841, 53.2120, 31.0658
YIQ	193.0270, 48.0960, -1.6000

Conversions

Conversions Part 2

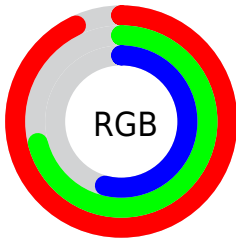
Format	Color
R _Y B	238, 215, 137
Decimal	15644041
CIE Lab	78.00, 15.20, 30.40
CIE LCh	78, 33.991, 63.440
Yxy	53.2120, 0.4013, 0.3780
Android (android.graphics.Color)	4293834121 (0xFFEEB589)
YUV	193.0270, -27.6213, 39.4413
Hunter-Lab	72.9466, 10.5601, 25.8127

Details

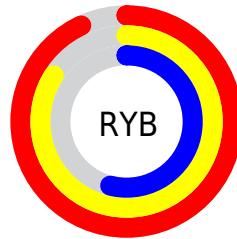
The CIELCh color **78, 33.991, 63.440** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **76, 28.541, 255.311**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 24.540, 91.923**, and **58, 33.796, 63.083** is the 20% darker color. If you saturate the color by 10%, you get **74, 43.235, 62.383**, and if you desaturate by 10%, it is **82, 25.212, 64.526**.

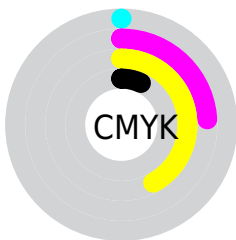
Distribution



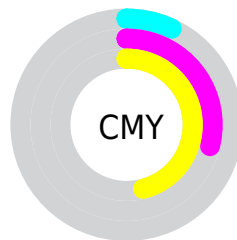
- Red (93%)
- Green (71%)
- Blue (54%)



- Red (93%)
- Yellow (84%)
- Blue (54%)



- Cyan (0%)
- Magenta (24%)
- Yellow (42%)
- Black (7%)



- Cyan (7%)
- Magenta (29%)
- Yellow (46%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 33.991, 63.440 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 78, 33.991, 63.440 by changing the saturation by 10% instead.

 78, 33.991, 63.440

 78, 33.991, 63.440

 100, 33.991,
63.440

 68, 33.991, 63.440

 98, 33.991, 63.440

 58, 33.991, 63.440

 48, 33.991, 63.440

 38, 33.991, 63.440

 28, 33.991, 63.440

 18, 33.991, 63.440

 8, 33.991, 63.440

 0, 33.991, 63.440

 78, 33.991, 63.440

 78, 33.991, 63.440

74, 43.235, 62.383

82, 25.212, 64.526

71, 52.843, 61.319

85, 16.919, 65.621

68, 62.552, 60.187

89, 9.095, 66.713

65, 71.782, 58.822

93, 1.704, 67.602

62, 79.462, 56.888

97, 4.779, 243.123

60, 83.840, 54.957

99, 5.734, 199.158

Harmonies

Complementary

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



78, 33.991, 63.440



76, 28.541, 255.311

Rectangle

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



78, 33.991, 63.440



78, 33.991, 113.440



78, 33.991, 243.440



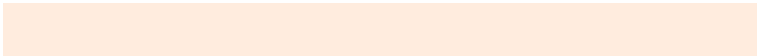
78, 33.991, 293.440

Sweetspot

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



78, 33.991, 63.446



95, 10.096, 66.643



70, 47.521, 344.171



50, 7.110, 66.403



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 33.991, 63.446



80, 44.307, 62.511



91, 47.789, 102.973



48, 4.154, 67.023



47, 68.619, 55.626



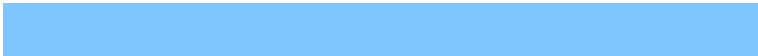
13, 23.576, 54.558

Inverse Universe

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



76, 28.541, 255.311



77, 35.696, 257.649



63, 52.691, 293.487



48, 4.022, 249.362



43, 49.486, 276.967



11, 19.119, 268.744

Previews

White Background



This preview shows how the CIELCh color 78, 33.991, 63.440 looks on a white background.

Color Contrast Check

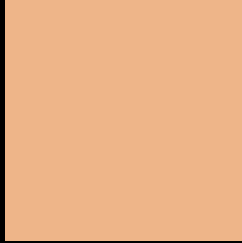
Large Text (above 18pt) WCAG AA × Fail

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 78, 33.991, 63.440 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 78, 33.991, 63.440

Background



This preview shows how black text looks on a background with the CIELCh color 78, 33.991, 63.440.



This preview shows how white text looks on a background with the CIELCh color 78, 33.991, 63.440.

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

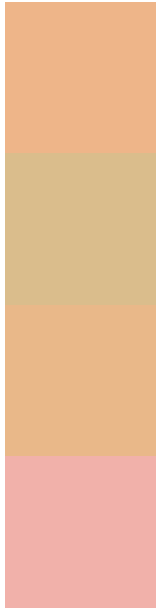


Original Color
78, 33.991, 63.440
Protanopia
78, 27.646, 95.744
Deuteranopia
78, 32.063, 71.979



Tritanopia
78, 26.845, 7.002

Trichromacy



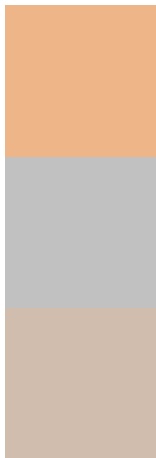
Original Color
78, 33.991, 63.440

Protanomaly
78, 28.803, 83.212

Deuteranomaly
78, 32.745, 69.185

Tritanomaly
78, 25.762, 29.702

Monochromacy



Original Color
78, 33.991, 63.440

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 11.556, 67.195

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 33.991, 63.440 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(238, 181, 137)` looks like.

```
.text, #text, p{  
    color:rgb(238, 181, 137)  
}
```

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(238, 181, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 181, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 33.991, 63.440 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(238, 181, 137) }
```

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

```
.border{ border-color:rgb(238, 181, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 181, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 181, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 181, 137);  
box-shadow:4px 4px 4px 4px rgb(238, 181,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 33.991, 63.440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 181, 137) }
```

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

```
.background{ background-color: rgb(238,  
181, 137) }
```

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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