

# Converting Colors

CIELCh(67, 39.905, 33.106)

Have a look what the booklet for  
CIELCh(67, 39.905, 33.106) contains.

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# Color

**CIELCh(67, 39.725, 33.240)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E68B7E
RGB	230, 139, 126
RGB Percent	90%, 55%, 49%
CMY	0.0995, 0.4562, 0.5071
CMYK	0.00, 0.40, 0.45, 0.10
HSL	7°, 67%, 70%
HSV	7°, 45%, 90%
XYZ	45.4470, 36.6320, 24.3084
YIQ	164.7270, 58.4090, 15.2490

# Conversions

## Conversions Part 2

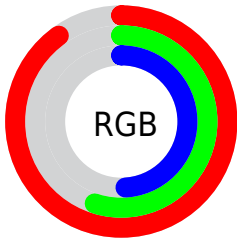
Format	Color
R <sub>Y</sub> B	230, 141, 126
Decimal	15108990
CIE Lab	67.00, 33.23, 21.78
CIE LCh	67, 39.725, 33.240
Yxy	36.6320, 0.4272, 0.3443
Android (android.graphics.Color)	4293299070 (0xFFE68B7E)
YUV	164.7270, -19.0924, 57.2444
Hunter-Lab	60.5244, 28.1158, 18.5544

# Details

The CIELCh color **67, 39.725, 33.240** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **82, 28.091, 211.952**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 25.669, 37.654**, and **47, 39.712, 32.875** is the 20% darker color. If you saturate the color by 10%, you get **62, 50.332, 34.397**, and if you desaturate by 10%, it is **72, 29.732, 32.404**.

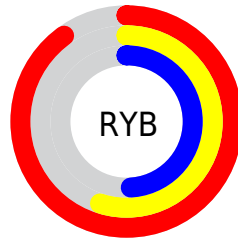
# Distribution



Red (90%)

Green (55%)

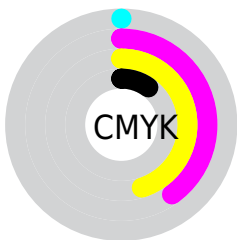
Blue (49%)



Red (90%)

Yellow (55%)

Blue (49%)

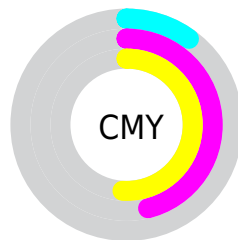


Cyan (0%)

Magenta (40%)

Yellow (45%)

Black (10%)



Cyan (10%)

Magenta (46%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 39.725, 33.240 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 67, 39.725, 33.240 by changing the saturation by 10% instead.



67, 39.725, 33.240

67, 39.725, 33.240

100, 39.725,  
33.240

57, 39.725, 33.240

87, 39.725, 33.240

47, 39.725, 33.240

97, 39.725, 33.240

37, 39.725, 33.240

27, 39.725, 33.240

17, 39.725, 33.240

7, 39.725, 33.240

0, 39.725, 33.240

67, 39.725, 33.240

67, 39.725, 33.240

62, 50.332, 34.397

72, 29.732, 32.404

58, 61.389, 35.902

77, 20.435, 31.817

55, 72.549, 37.727

83, 11.839, 31.419

52, 83.100, 39.631

88, 3.917, 31.091

50, 91.486, 40.934

94, 3.384, 211.323

49, 94.500, 41.396

98, 8.643, 198.936

# Harmonies

# Complementary

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



67, 39.725, 33.240



82, 28.091, 211.952

# Rectangle

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



67, 39.725, 33.240



67, 39.725, 83.240



67, 39.725, 213.240



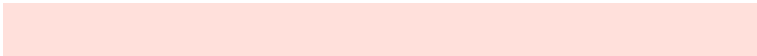
67, 39.725, 263.240

# Sweetspot

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



67, 39.723, 33.244



91, 11.762, 31.381



67, 60.364, 330.482



48, 8.194, 31.452



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



67, 39.723, 33.244



69, 53.361, 34.272



79, 38.125, 80.843



45, 4.297, 31.239



38, 77.950, 41.667



8, 24.828, 28.567





# Inverse Universe

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



82, 28.091, 211.952



88, 34.670, 212.546



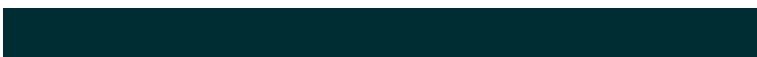
67, 36.663, 275.133



47, 4.042, 211.206



59, 33.630, 219.269



16, 14.274, 215.301



# Previews

## White Background



This preview shows how the CIELCh color 67, 39.725, 33.240 looks on a white background.

## Color Contrast Check

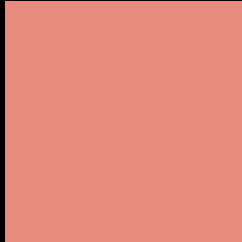
Large Text (above 18pt) WCAG AA × Fail

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 67, 39.725, 33.240 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 67, 39.725, 33.240

## Background



This preview shows how black text looks on a background with the CIELCh color 67, 39.725, 33.240.



This preview shows how white text looks on a background with the CIELCh color 67, 39.725, 33.240.

# 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**  
67, 38.788, 15.652



# Trichromacy



**Original Color**  
67, 39.725, 33.240

**Protanomaly**  
67, 20.134, 55.242

**Deuteranomaly**  
67, 28.590, 51.990

**Tritanomaly**  
67, 38.827, 21.888

# Monochromacy



**Original Color**  
67, 39.725, 33.240

**Achromatopsia**  
67, 0.008, 296.813

**Achromatomaly**  
67, 13.520, 32.219

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 39.725, 33.240 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(230, 139, 126)` looks like.

```
.text, #text, p{  
    color:rgb(230, 139, 126)  
}
```

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(230, 139, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 139, 126) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 39.725, 33.240 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(230, 139, 126) }
```

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

```
.border{ border-color:rgb(230, 139, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 139, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 139, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 139, 126);  
box-shadow:4px 4px 4px 4px rgb(230, 139,  
126) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 39.725, 33.240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 139, 126) }
```

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

```
.background{ background-color: rgb(230,  
139, 126) }
```

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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