

# Converting Colors

CIELCh(69, 38.873, 61.328)

Have a look what the booklet for  
CIELCh(69, 38.873, 61.328) contains.

<b>CIELCh(69, 39.223, 61.825)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(69, 39.223, 61.825)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DB9B6B
RGB	219, 155, 107
RGB Percent	86%, 61%, 42%
CMY	0.1430, 0.3938, 0.5819
CMYK	0.00, 0.29, 0.51, 0.14
HSL	26°, 61%, 64%
HSV	26°, 51%, 86%
XYZ	43.3580, 39.3444, 19.1094
YIQ	168.6640, 53.5520, -1.3600

# Conversions

## Conversions Part 2

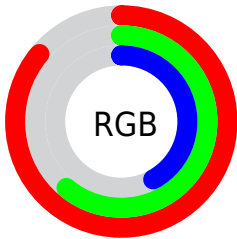
Format	Color
<a href="#">RYB</a>	<a href="#">219, 191, 107</a>
Decimal	<a href="#">14392171</a>
CIELab	<a href="#">69.00, 18.52, 34.58</a>
CIElCh	<a href="#">69, 39.223, 61.825</a>
Yxy	<a href="#">39.3444, 0.4259, 0.3864</a>
Android (android.graphics.Color)	<a href="#">4292582251 (0xFFDB9B6B)</a>
YUV	<a href="#">168.6640, -30.4004, 44.1447</a>
Hunter-Lab	<a href="#">62.7251, 13.6171, 25.8446</a>

# Details

The CIELCh color **69, 39.223, 61.825** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **67, 31.408, 256.687**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **87, 32.506, 73.829**, and **49, 39.358, 62.373** is the 20% darker color. If you saturate the color by 10%, you get **66, 48.169, 60.809**, and if you desaturate by 10%, it is **72, 30.647, 62.858**.

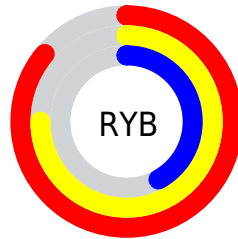
# Distribution



Red (86%)

Green (61%)

Blue (42%)



Red (86%)

Yellow (75%)

Blue (42%)

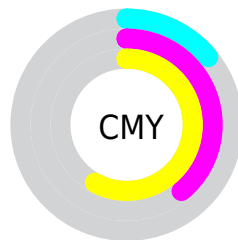


Cyan (0%)

Magenta (29%)

Yellow (51%)

Black (14%)



Cyan (14%)

Magenta (39%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 39.223, 61.825 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 69, 39.223, 61.825 by changing the saturation by 10% instead.



69, 39.223, 61.825

69, 39.223, 61.825

100, 39.223,  
61.825

59, 39.223, 61.825

89, 39.223, 61.825

49, 39.223, 61.825

99, 39.223, 61.825

39, 39.223, 61.825

29, 39.223, 61.825

19, 39.223, 61.825

9, 39.223, 61.825

0, 39.223, 61.825

69, 39.223, 61.825

69, 39.223, 61.825

66, 48.169, 60.809

72, 30.647, 62.858

63, 57.277, 59.740

76, 22.520, 63.910

60, 66.070, 58.480

79, 14.853, 64.978

57, 73.630, 56.724

83, 7.624, 66.042

55, 78.711, 54.663

87, 0.799, 66.629

91, 5.663, 248.360

94, 10.216,  
240.172

97, 12.094,  
199.993

98, 12.277,  
198.686

# Harmonies

# Complementary

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



69, 39.223, 61.825



67, 31.408, 256.687

# Rectangle

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



69, 39.223, 61.825



69, 39.223, 111.825



69, 39.223, 241.825



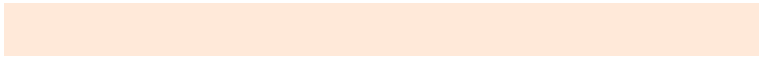
69, 39.223, 291.825

# Sweetspot

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



69, 39.222, 61.830



94, 11.687, 65.629



60, 53.358, 344.308



49, 8.024, 65.403



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



69, 39.222, 61.830



76, 54.441, 60.777



83, 52.471, 101.238



44, 3.849, 66.225



44, 65.926, 55.295



10, 18.529, 51.665





# Inverse Universe

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



67, 31.408, 256.687



74, 41.505, 259.905



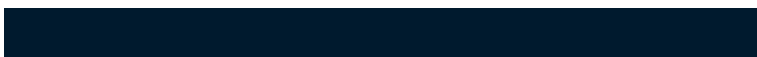
53, 59.224, 294.599



44, 3.724, 248.517



41, 46.590, 275.878



9, 16.169, 265.373



# Previews

## White Background



This preview shows how the CIELCh color 69, 39.223, 61.825 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 69, 39.223, 61.825 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

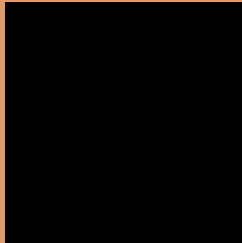
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 69, 39.223, 61.825

## Background



This preview shows how black text looks on a background with the CIELCh color 69, 39.223, 61.825.



This preview shows how white text looks on a background with the CIELCh color 69, 39.223, 61.825.

# 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

69, 39.223, 61.825

### Protanopia

69, 31.425, 96.052

### Deuteranopia

69, 36.221, 75.744



**Tritanopia**  
69, 30.285, 11.208



# Trichromacy



**Original Color**  
69, 39.223, 61.825

**Protanomaly**  
69, 32.670, 82.094

**Deuteranomaly**  
69, 36.795, 70.694

**Tritanomaly**  
69, 30.150, 32.365

# Monochromacy



**Original Color**  
69, 39.223, 61.825

**Achromatopsia**  
69, 0.009, 296.813

**Achromatomaly**  
69, 13.193, 64.556

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 39.223, 61.825 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(219, 155, 107)` looks like.

```
.text, #text, p{  
    color:rgb(219, 155, 107)  
}
```

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(219, 155, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 155, 107) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 39.223, 61.825 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(219, 155, 107) }
```

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

```
.border{ border-color:rgb(219, 155, 107) }
```

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

Here you see how a box with a 4 pixel rgb(219, 155, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 155, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 155, 107);  
box-shadow:4px 4px 4px 4px rgb(219, 155,  
107) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 39.223, 61.825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 155, 107) }
```

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

```
.background{ background-color: rgb(219,  
155, 107) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor