

# Converting Colors

CIELCh(69, 33.614, 95.709)

Have a look what the booklet for  
CIELCh(69, 33.614, 95.709) contains.

<b>CIELCh(69, 33.614, 95.709)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	20
<b><i>Color Blindness Simulation</i></b> .....	23
<b><i>CSS Examples</i></b> .....	26

# **Color**

**CIELCh(69, 33.614, 95.709)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7A86B
RGB	183, 168, 107
RGB Percent	72%, 66%, 42%
CMY	0.2807, 0.3396, 0.5789
CMYK	0.00, 0.08, 0.41, 0.28
HSL	48°, 35%, 57%
HSV	48°, 41%, 72%
XYZ	36.3811, 39.3444, 19.6929
YIQ	165.5310, 28.5210, -15.7910

# Conversions

## Conversions Part 2

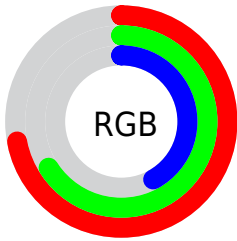
<b>Format</b>	<b>Color</b>
<b>RYB</b>	126, 183, 107
Decimal	12036203
CIELab	69.00, -3.34, 33.45
CIElCh	69, 33.614, 95.709
Yxy	39.3444, 0.3813, 0.4123
Android (android.graphics.Color)	4290226283 (0xFFB7A86B)
YUV	165.5310, -28.8558, 15.3203
Hunter-Lab	62.7251, -6.2374, 25.2932

# Details

The CIELCh color **69, 33.614, 95.709** is a light color, and the websafe version is hex **999966**. A complement of this color would be **53, 35.481, 286.920**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 33.688, 95.777**, and **49, 33.654, 95.185** is the 20% darker color. If you saturate the color by 10%, you get **68, 41.523, 94.489**, and if you desaturate by 10%, it is **70, 25.526, 96.921**.

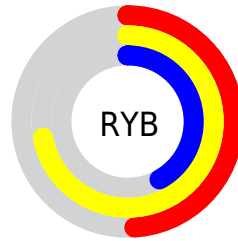
# Distribution



Red (72%)

Green (66%)

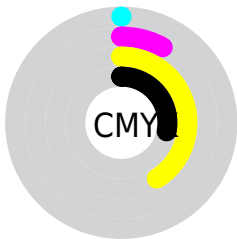
Blue (42%)



Red (49%)

Yellow (72%)

Blue (42%)

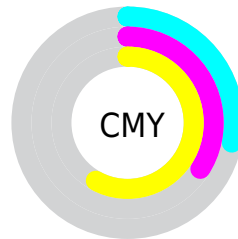


Cyan (0%)

Magenta (8%)

Yellow (41%)

Black (28%)



Cyan (28%)

Magenta (34%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 33.614, 95.709 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, 33.614, 95.709 by changing the saturation by 10% instead.



69, 33.614, 95.709

69, 33.614, 95.709

100, 33.614,  
95.709

59, 33.614, 95.709

89, 33.614, 95.709

49, 33.614, 95.709

99, 33.614, 95.709

39, 33.614, 95.709

29, 33.614, 95.709

19, 33.614, 95.709

9, 33.614, 95.709

0, 33.614, 95.709

69, 33.614, 95.709

69, 33.614, 95.709

68, 41.523, 94.489

70, 25.526, 96.921

67, 49.038, 93.254

72, 17.380, 98.106

65, 55.818, 92.002

73, 9.245, 99.257

64, 61.354, 90.716

74, 1.161, 100.271

63, 65.038, 89.349

76, 6.852, 281.502

63, 66.799, 88.104

77, 14.784,  
282.530

79, 22.633,  
283.520

80, 30.398,  
284.464

81, 29.030,  
281.615

# Harmonies

# Complementary

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



69, 33.614, 95.709



53, 35.481, 286.920

# Rectangle

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



69, 33.614, 95.709



69, 33.614, 145.709



69, 33.614, 275.709



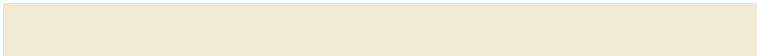
69, 33.614, 325.709

# Sweetspot

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



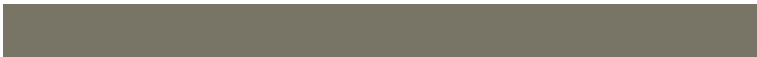
69, 33.615, 95.713



93, 12.042, 99.172



54, 32.462, 8.399



49, 7.987, 99.026



97, 0.011, 296.813



50, 0.007, 296.813



# Same Dimension

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



69, 33.615, 95.713



86, 50.172, 94.564



71, 41.368, 119.438



38, 4.571, 99.495



54, 59.210, 88.319



8, 11.401, 94.628





# Inverse Universe

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



53, 35.481, 286.920



62, 54.029, 289.002



50, 45.122, 304.784



36, 4.624, 281.676



21, 80.205, 302.176



2, 13.192, 283.675



# Previews

## White Background



This preview shows how the CIELCh color 69, 33.614, 95.709 looks on a white background.

## Color Contrast Check

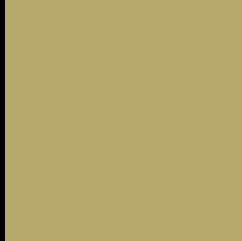
Large Text (above 18pt) WCAG AA × Fail

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, 33.614, 95.709 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, 33.614, 95.709

## Background



This preview shows how black text looks on a background with the CIELCh color 69, 33.614, 95.709.



This preview shows how white text looks on a background with the CIELCh color 69, 33.614, 95.709.

# 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, 33.614, 95.709

### Protanopia

69, 33.614, 95.709

### Deuteranopia

69, 34.098, 74.870



**Tritanopia**  
69, 13.478, 348.816



# Trichromacy



**Original Color**  
69, 33.614, 95.709

**Protanomaly**  
69, 33.614, 95.709

**Deuteranomaly**  
69, 33.654, 82.687

**Tritanomaly**  
69, 12.673, 57.056

# Monochromacy



**Original Color**  
69, 33.614, 95.709

**Achromatopsia**  
68, 0.008, 296.813

**Achromatomaly**  
68, 12.196, 99.522

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 33.614, 95.709 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(183, 168, 107)` looks like.

```
.text, #text, p{  
    color:rgb(183, 168, 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(183, 168, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 168, 107) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 33.614, 95.709 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(183, 168, 107) }
```

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

```
.border{ border-color:rgb(183, 168, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 168, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 168, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 168, 107);  
box-shadow:4px 4px 4px 4px rgb(183, 168,  
107) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 33.614, 95.709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 168, 107) }
```

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

```
.background{ background-color: rgb(183,  
168, 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](#).

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