

# Converting Colors

CIELCh(69, 48.200, 131.112)

Have a look what the booklet for  
CIELCh(69, 48.200, 131.112)  
contains.

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**Color**

**CIELCh(69, 48.239, 131.101)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83B664
RGB	131, 182, 100
RGB Percent	51%, 71%, 39%
CMY	0.4852, 0.2851, 0.6068
CMYK	0.28, 0.00, 0.45, 0.29
HSL	97°, 36%, 55%
HSV	97°, 45%, 71%
XYZ	28.5016, 39.3444, 18.2150
YIQ	157.4030, -4.0740, -36.3140

# Conversions

## Conversions Part 2

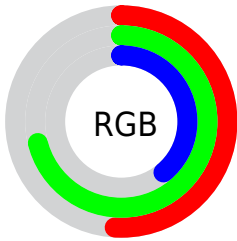
<b>Format</b>	<b>Color</b>
<b>RYB</b>	100, 182, 151
Decimal	8631908
CIELab	69.00, -31.71, 36.35
CIELCh	69, 48.239, 131.101
Yxy	39.3444, 0.3312, 0.4572
Android (android.graphics.Color)	4286821988 (0xFF83B664)
YUV	157.4030, -28.2997, -23.1554
Hunter-Lab	62.7251, -28.6605, 26.6901

# Details

The CIELCh color **69, 48.239, 131.101** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **51, 50.459, 315.163**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 48.165, 130.950**, and **49, 48.215, 131.084** is the 20% darker color. If you saturate the color by 10%, you get **68, 58.222, 130.650**, and if you desaturate by 10%, it is **70, 37.779, 131.600**.

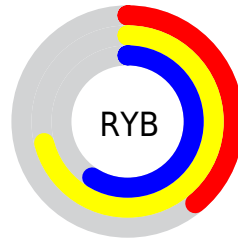
# Distribution



Red (51%)

Green (71%)

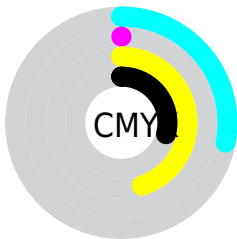
Blue (39%)



Red (39%)

Yellow (71%)

Blue (59%)

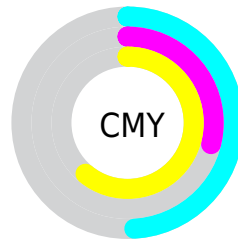


Cyan (28%)

Magenta (0%)

Yellow (45%)

Black (29%)



Cyan (49%)

Magenta (29%)


Yellow (61%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 48.239, 131.101 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, 48.239, 131.101 by changing the saturation by 10% instead.





 69, 48.239,  
131.101


 69, 48.239,  
131.101


 100, 48.239,  
131.101


 59, 48.239,  
131.101


 89, 48.239,  
131.101

 49, 48.239,  
131.101

 99, 48.239,  
131.101

 39, 48.239,  
131.101

 29, 48.239,  
131.101

 19, 48.239,  
131.101

 9, 48.239, 131.101

 0, 48.239, 131.101

69, 48.239,  
131.101

69, 48.239,  
131.101

68, 58.222,  
130.650

70, 37.779,  
131.600

67, 67.422,  
130.314

71, 27.055,  
132.099

67, 75.442,  
130.197

72, 16.220,  
132.578

66, 81.824,  
130.426

73, 5.382, 133.034

66, 86.214,  
131.101

75, 5.380, 313.376

66, 87.931,  
131.493

76, 16.012,  
313.748

78, 26.475,  
314.065

79, 36.746,  
314.342

■ 81, 42.365,  
317.017

# Harmonies

# Complementary

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



69, 48.239, 131.101



51, 50.459, 315.163

# Rectangle

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



69, 48.239, 131.101



69, 48.239, 181.101



69, 48.239, 311.101



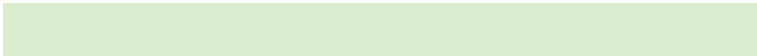
69, 48.239, 1.101

# Sweetspot

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



69, 48.240, 131.102



92, 17.404, 132.660



64, 31.381, 80.976



49, 12.284, 132.558



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, 48.240, 131.102



86, 70.805, 130.653



68, 49.953, 144.119



38, 6.152, 132.836



57, 78.051, 131.311



8, 17.367, 136.466



# Inverse Universe

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



51, 50.459, 315.163



60, 74.776, 315.541



54, 49.817, 330.426



36, 6.215, 313.580



26, 83.970, 315.161



2, 16.339, 309.235



# Previews

## White Background



This preview shows how the CIELCh color 69, 48.239, 131.101 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, 48.239, 131.101 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, 48.239, 131.101

## Background



This preview shows how black text looks on a background with the CIELCh color 69, 48.239, 131.101.



This preview shows how white text looks on a background with the CIELCh color 69, 48.239, 131.101.

# 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, 48.239, 131.101

**Protanopia**  
69, 39.806, 96.005

**Deuteranopia**  
69, 35.798, 75.362





**Tritanopia**  
69, 11.958, 239.062

# Trichromacy



**Original Color**  
69, 48.239, 131.101

**Protanomaly**  
69, 40.630, 110.852

**Deuteranomaly**  
68, 35.254, 100.224

**Tritanomaly**  
69, 17.848, 157.763

# Monochromacy



**Original Color**  
69, 48.239, 131.101

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
66, 18.157, 132.818

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 48.239, 131.101 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(131, 182, 100)` looks like.

```
.text, #text, p{  
    color:rgb(131, 182, 100)  
}
```

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(131, 182, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 182, 100) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 48.239, 131.101 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(131, 182, 100) }
```

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

```
.border{ border-color:rgb(131, 182, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 182, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 182, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 182, 100);  
box-shadow:4px 4px 4px 4px rgb(131, 182,  
100) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 48.239, 131.101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 182, 100) }
```

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

```
.background{ background-color: rgb(131,  
182, 100) }
```

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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