

# Converting Colors

CIELCh(69, 27.773, 129.222)

Have a look what the booklet for  
CIELCh(69, 27.773, 129.222)  
contains.

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# Color

**CIELCh(69, 27.404, 128.977)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	97B081
RGB	151, 176, 129
RGB Percent	59%, 69%, 51%
CMY	0.4069, 0.3088, 0.4932
CMYK	0.14, 0.00, 0.27, 0.31
HSL	92°, 23%, 60%
HSV	92°, 27%, 69%
XYZ	32.3619, 39.3444, 26.7412
YIQ	163.1670, 0.1870, -19.9170

# Conversions

## Conversions Part 2

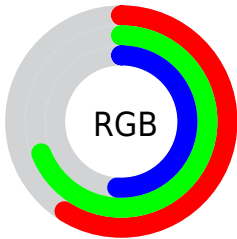
<b>Format</b>	<b>Color</b>
<b>RYB</b>	129, 176, 154
Decimal	9941121
CIELab	69.00, -17.24, 21.30
CIElCh	69, 27.404, 128.977
Yxy	39.3444, 0.3287, 0.3996
Android (android.graphics.Color)	4288131201 (0xFF97B081)
YUV	163.1670, -16.8443, -10.6705
Hunter-Lab	62.7251, -17.6749, 18.6308

# Details

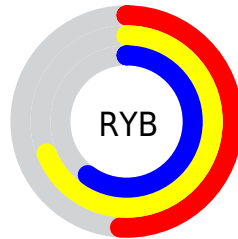
The CIELCh color  $69, 27.404, 128.977$  is a light color, and the websafe version is hex  $999966$ . A complement of this color would be  $58, 28.346, 311.396$ , and the grayscale version is  $67, 0.008, 296.813$ .

A 20% lighter version of the original color is  $89, 27.621, 128.788$ , and  $49, 27.411, 129.063$  is the 20% darker color. If you saturate the color by 10%, you get  $68, 37.532, 128.499$ , and if you desaturate by 10%, it is  $70, 17.143, 129.453$ .

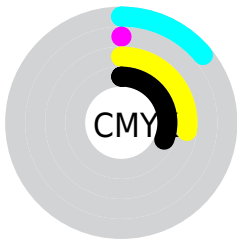
# Distribution



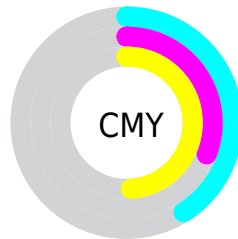
- Red (59%)
- Green (69%)
- Blue (51%)



- Red (51%)
- Yellow (69%)
- Blue (60%)



- Cyan (14%)
- Magenta (0%)
- Yellow (27%)
- Black (31%)



- Cyan (41%)
- Magenta (31%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 27.404, 128.977 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, 27.404, 128.977 by changing the saturation by 10% instead.




 69, 27.404,  
128.977


 69, 27.404,  
128.977

 100, 27.404,  
128.977

 59, 27.404,  
128.977


 89, 27.404,  
128.977

 49, 27.404,  
128.977

 99, 27.404,  
128.977

 39, 27.404,  
128.977

 29, 27.404,  
128.977

 19, 27.404,  
128.977

 9, 27.404, 128.977

 0, 27.404, 128.977

69, 27.404,  
128.977

69, 27.404,  
128.977

68, 37.532,  
128.499

70, 17.143,  
129.453

67, 47.376,  
128.043

71, 6.846, 129.912

66, 56.728,  
127.660

72, 3.412, 310.276

66, 65.292,  
127.426

74, 13.581,  
310.681

65, 72.676,  
127.448

75, 23.623,  
311.027

65, 78.450,  
127.852

76, 33.513,  
311.335


64, 82.370,  
128.709

78, 43.234,  
311.609

64, 83.490,

79, 45.337,  
314.992

129.005

 80, 46.441,  
318.766

# Harmonies

# Complementary

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



69, 27.404, 128.977



58, 28.346, 311.396

# Rectangle

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



69, 27.404, 128.977



69, 27.404, 178.977



69, 27.404, 308.977



69, 27.404, 358.977

# Sweetspot

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



69, 27.406, 128.979



90, 10.176, 129.845



65, 16.509, 73.878



48, 7.228, 129.778



96, 0.011, 296.813



48, 0.006, 296.813





# Same Dimension

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



69, 27.406, 128.979



87, 40.672, 128.696



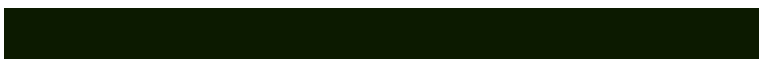
68, 31.230, 143.096



37, 5.875, 129.791



56, 75.083, 128.823



7, 14.601, 133.653



# Inverse Universe

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



58, 28.346, 311.396



70, 42.408, 311.692



60, 31.239, 326.328



35, 5.949, 310.564



24, 84.515, 312.813



1, 13.916, 306.295



# Previews

## White Background



This preview shows how the CIELCh color 69, 27.404, 128.977 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, 27.404, 128.977 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, 27.404, 128.977**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 69, 27.404, 128.977.



This preview shows how white text looks on a background with the CIELCh color 69, 27.404, 128.977.

# 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**  
69, 8.413, 265.692

# Trichromacy



**Original Color**  
69, 27.404, 128.977

**Protanomaly**  
69, 23.874, 108.713

**Deuteranomaly**  
69, 20.379, 92.882

**Tritanomaly**  
69, 7.835, 159.748

# Monochromacy



**Original Color**  
69, 27.404, 128.977

**Achromatopsia**  
67, 0.008, 296.813

**Achromatomaly**  
68, 9.987, 129.669

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 27.404, 128.977 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(151, 176, 129)` looks like.

```
.text, #text, p{  
    color:rgb(151, 176, 129)  
}
```

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(151, 176, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 176, 129) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 27.404, 128.977 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(151, 176, 129) }
```

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

```
.border{ border-color:rgb(151, 176, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 176, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 176, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 176, 129);  
box-shadow:4px 4px 4px 4px rgb(151, 176,  
129) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 27.404, 128.977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 176, 129) }
```

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

```
.background{ background-color: rgb(151,  
176, 129) }
```

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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