

# Converting Colors

CIELCh(69, 27.494, 136.495)

Have a look what the booklet for  
CIELCh(69, 27.494, 136.495)  
contains.

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**Color**

**CIELCh(69, 27.917, 136.247)**

# Conversions

## Conversions Part 1

Format	Color
Hex	90B285
RGB	144, 178, 133
RGB Percent	56%, 70%, 52%
CMY	0.4362, 0.3029, 0.4793
CMYK	0.19, 0.00, 0.25, 0.30
HSL	105°, 23%, 61%
HSV	105°, 25%, 70%
XYZ	31.5546, 39.3444, 28.0414
YIQ	162.7040, -5.8190, -21.2030

# Conversions

## Conversions Part 2

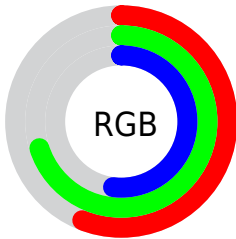
<b>Format</b>	<b>Color</b>
<b>RYB</b>	133, 178, 167
Decimal	9482885
CIELab	69.00, -20.17, 19.31
CIElCh	69, 27.917, 136.247
Yxy	39.3444, 0.3189, 0.3977
Android (android.graphics.Color)	4287672965 (0xFF90B285)
YUV	162.7040, -14.6441, -16.4034
Hunter-Lab	62.7251, -19.9724, 17.4019

# Details

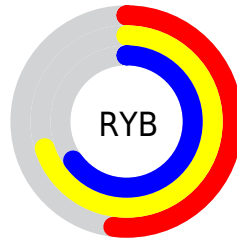
The CIELCh color  $69, 27.917, 136.247$  is a light color, and the websafe version is hex  $99CC99$ . A complement of this color would be  $60, 28.331, 318.547$ , and the grayscale version is  $67, 0.008, 296.813$ .

A 20% lighter version of the original color is  $89, 28.236, 136.322$ , and  $49, 27.818, 136.011$  is the 20% darker color. If you saturate the color by 10%, you get  $68, 38.867, 135.668$ , and if you desaturate by 10%, it is  $70, 16.859, 136.780$ .

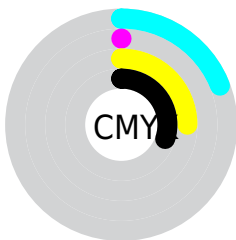
# Distribution



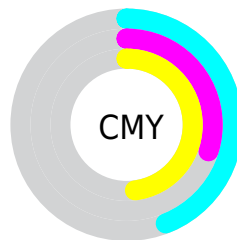
- Red (56%)
- Green (70%)
- Blue (52%)



- Red (52%)
- Yellow (70%)
- Blue (65%)



- Cyan (19%)
- Magenta (0%)
- Yellow (25%)
- Black (30%)




- Cyan (44%)
- Magenta (30%)
- Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 27.917, 136.247 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, 27.917, 136.247 by changing the saturation by 10% instead.




 69, 27.917,  
136.247


 69, 27.917,  
136.247


 100, 27.917,  
136.247


 59, 27.917,  
136.247


 89, 27.917,  
136.247

 49, 27.917,  
136.247

 99, 27.917,  
136.247

 39, 27.917,  
136.247

 29, 27.917,  
136.247

 19, 27.917,  
136.247

 9, 27.917, 136.247

 0, 27.917, 136.247

69, 27.917,  
136.247

69, 27.917,  
136.247

68, 38.867,  
135.668

70, 16.859,  
136.780

67, 49.529,  
135.059

72, 5.815, 137.272

73, 5.122, 317.620

66, 59.666,  
134.456

75, 15.887,  
318.004

65, 68.954,  
133.928

77, 26.438,  
318.319

65, 76.977,  
133.574

78, 36.747,  
318.588

64, 83.269,  
133.519

80, 45.776,  
319.466

64, 87.477,  
133.860

82, 47.732,  
324.692

64, 88.998,

134.035

 82, 48.342,  
326.096

# Harmonies

# Complementary

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



69, 27.917, 136.247



60, 28.331, 318.547

# Rectangle

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



69, 27.917, 136.247



69, 27.917, 186.247



69, 27.917, 316.247



69, 27.917, 6.247

# Sweetspot

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



69, 27.919, 136.248



91, 10.905, 137.133



68, 19.010, 94.203



48, 7.819, 137.061



96, 0.011, 296.813



49, 0.007, 296.813





# Same Dimension

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



69, 27.919, 136.248



87, 41.075, 135.951



69, 25.257, 150.458



37, 6.241, 137.076



55, 79.543, 133.902



7, 15.333, 139.149



# Inverse Universe

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



60, 28.331, 318.547



74, 41.799, 318.772



61, 25.424, 334.015



35, 6.283, 317.844



29, 80.942, 319.298



2, 14.707, 314.531



# Previews

## White Background



This preview shows how the CIELCh color 69, 27.917, 136.247 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 CIE LCh color 69, 27.917, 136.247 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, 27.917, 136.247**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 69, 27.917, 136.247.



This preview shows how white text looks on a background with the CIELCh color 69, 27.917, 136.247.

# 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, 27.917, 136.247

**Protanopia**  
69, 22.358, 95.069

**Deuteranopia**  
69, 19.803, 63.491





**Tritanopia**  
69, 10.064, 249.086

# Trichromacy



**Original Color**  
69, 27.917, 136.247

**Protanomaly**  
69, 22.883, 112.954

**Deuteranomaly**  
68, 17.862, 96.496

**Tritanomaly**  
69, 9.730, 175.307

# Monochromacy



**Original Color**  
69, 27.917, 136.247

**Achromatopsia**  
67, 0.008, 296.813

**Achromatomaly**  
67, 10.647, 137.314

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 27.917, 136.247 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(144, 178, 133)` looks like.

```
.text, #text, p{  
    color:rgb(144, 178, 133)  
}
```

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(144, 178, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 178, 133) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 27.917, 136.247 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(144, 178, 133) }
```

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

```
.border{ border-color:rgb(144, 178, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 178, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 178, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 178, 133);  
box-shadow:4px 4px 4px 4px rgb(144, 178,  
133) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 27.917, 136.247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 178, 133) }
```

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

```
.background{ background-color: rgb(144,  
178, 133) }
```

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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