

# Converting Colors

CIELCh(69, 19.524, 145.216)

Have a look what the booklet for  
CIELCh(69, 19.524, 145.216)  
contains.

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# **Color**

**CIELCh(69, 19.236, 145.220)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92B094
RGB	146, 176, 148
RGB Percent	57%, 69%, 58%
CMY	0.4271, 0.3094, 0.4193
CMYK	0.17, 0.00, 0.16, 0.31
HSL	124°, 16%, 63%
HSV	124°, 17%, 69%
XYZ	32.7634, 39.3444, 33.9193
YIQ	163.8380, -8.8920, -15.0680

# Conversions

## Conversions Part 2

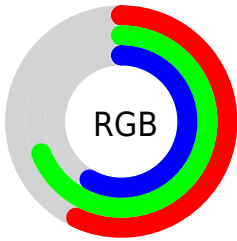
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 174, 176
Decimal	9613460
CIELab	69.00, -15.80, 10.97
CIElCh	69, 19.236, 145.220
Yxy	39.3444, 0.3090, 0.3711
Android (android.graphics.Color)	4287803540 (0xFF92B094)
YUV	163.8380, -7.8081, -15.6439
Hunter-Lab	62.7251, -16.5324, 11.8458

# Details

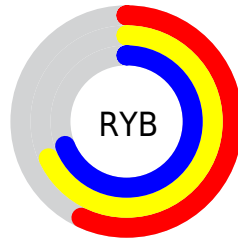
The CIELCh color **69, 19.236, 145.220** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **64, 19.264, 327.226**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 19.517, 145.315**, and **49, 19.126, 144.976** is the 20% darker color. If you saturate the color by 10%, you get **68, 30.565, 144.434**, and if you desaturate by 10%, it is **71, 7.902, 145.906**.

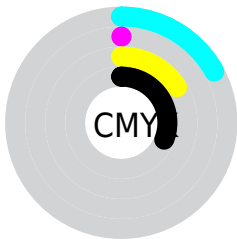
# Distribution



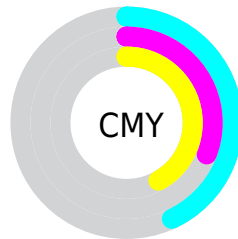
- Red (57%)
- Green (69%)
- Blue (58%)



- Red (57%)
- Yellow (68%)
- Blue (69%)



- Cyan (17%)
- Magenta (0%)
- Yellow (16%)
- Black (31%)




- Cyan (43%)
- Magenta (31%)
- Yellow (42%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 19.236, 145.220 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, 19.236, 145.220 by changing the saturation by 10% instead.





 69, 19.236,  
145.220


 69, 19.236,  
145.220


 100, 19.236,  
145.220


 59, 19.236,  
145.220


 89, 19.236,  
145.220

 49, 19.236,  
145.220

 99, 19.236,  
145.220

 39, 19.236,  
145.220

 29, 19.236,  
145.220

 19, 19.236,  
145.220

 9, 19.236, 145.220

 0, 19.236, 145.220

69, 19.236,  
145.220

69, 19.236,  
145.220

68, 30.565,  
144.434

71, 7.902, 145.906

66, 41.703,  
143.525

72, 3.305, 326.369

65, 52.421,  
142.486

74, 14.289,  
326.912

64, 62.436,  
141.325

76, 24.987,  
327.335

64, 71.422,  
140.078

79, 35.360,  
327.693

63, 79.018,  
138.818


81, 45.392,  
328.002

63, 84.859,  
137.657

82, 49.376,  
326.130

63, 88.687,

136.748

 63, 89.476,  
136.589

# Harmonies

# Complementary

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



69, 19.236, 145.220



64, 19.264, 327.226

# Rectangle

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



69, 19.236, 145.220



69, 19.236, 195.220



69, 19.236, 325.220



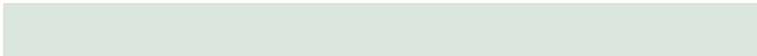
69, 19.236, 15.220

# Sweetspot

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



69, 19.238, 145.220



90, 6.949, 146.037



71, 16.278, 111.350



48, 4.739, 145.991



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, 19.238, 145.220



87, 28.032, 144.973



69, 13.306, 165.912



37, 6.439, 145.755



55, 80.475, 136.689



7, 15.698, 145.852



# Inverse Universe

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



64, 19.264, 327.226



80, 28.066, 327.415



64, 13.692, 348.934



35, 6.451, 326.782



35, 74.962, 331.032

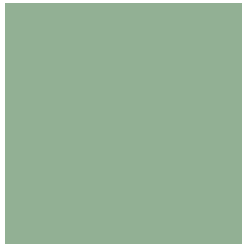


3, 15.178, 327.274



# Previews

## White Background



This preview shows how the CIELCh color 69, 19.236, 145.220 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, 19.236, 145.220 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, 19.236, 145.220

## Background



This preview shows how black text looks on a background with the CIELCh color 69, 19.236, 145.220.



This preview shows how white text looks on a background with the CIELCh color 69, 19.236, 145.220.

# 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, 19.236, 145.220

**Protanopia**  
69, 13.596, 93.422

**Deuteranopia**  
69, 12.768, 48.206





**Tritanopia**  
69, 10.064, 249.086

# Trichromacy



**Original Color**  
69, 19.236, 145.220

**Protanomaly**  
69, 14.326, 116.666

**Deuteranomaly**  
69, 9.698, 92.635

**Tritanomaly**  
69, 8.410, 194.994

# Monochromacy



**Original Color**  
69, 19.236, 145.220

**Achromatopsia**  
67, 0.008, 296.813

**Achromatomaly**  
68, 6.951, 146.651

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 19.236, 145.220 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(146, 176, 148)` looks like.

```
.text, #text, p{  
    color:rgb(146, 176, 148)  
}
```

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(146, 176, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 176, 148) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 19.236, 145.220 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(146, 176, 148) }
```

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

```
.border{ border-color:rgb(146, 176, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 176, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 176, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 176, 148);  
box-shadow:4px 4px 4px 4px rgb(146, 176,  
148) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 19.236, 145.220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 176, 148) }
```

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

```
.background{ background-color: rgb(146,  
176, 148) }
```

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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