

# Converting Colors

CIELCh(69, 14.872, 174.208)

Have a look what the booklet for  
CIELCh(69, 14.872, 174.208)  
contains.

<b>CIELCh(69, 14.887, 174.189)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(69, 14.887, 174.189)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BB0A5
RGB	139, 176, 165
RGB Percent	55%, 69%, 65%
CMY	0.4542, 0.3091, 0.3523
CMYK	0.21, 0.00, 0.06, 0.31
HSL	162°, 19%, 62%
HSV	162°, 21%, 69%
XYZ	33.0415, 39.3444, 41.5311
YIQ	163.6830, -18.5210, -11.2650

# Conversions

## Conversions Part 2

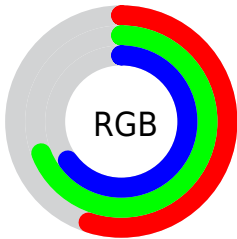
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	139, 161, 176
Decimal	9154725
CIE Lab	69.00, -14.81, 1.51
CIE LCh	69, 14.887, 174.189
Yxy	39.3444, 0.2900, 0.3454
Android (android.graphics.Color)	4287344805 (0xFF8BB0A5)
YUV	163.6830, 0.6493, -21.6470
Hunter-Lab	62.7251, -15.7411, 4.6509

# Details

The CIELCh color  $69, 14.887, 174.189$  is a light color, and the websafe version is hex  $669999$ . A complement of this color would be  $62, 15.820, 358.256$ , and the grayscale version is  $67, 0.008, 296.813$ .

A 20% lighter version of the original color is  $89, 15.069, 173.868$ , and  $49, 14.776, 174.315$  is the 20% darker color. If you saturate the color by 10%, you get  $68, 21.642, 173.118$ , and if you desaturate by 10%, it is  $70, 7.880, 175.192$ .

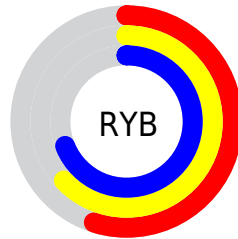
# Distribution



Red (55%)

Green (69%)

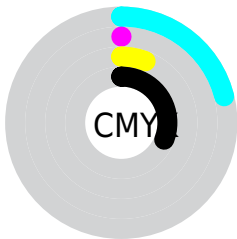
Blue (65%)



Red (55%)

Yellow (63%)

Blue (69%)

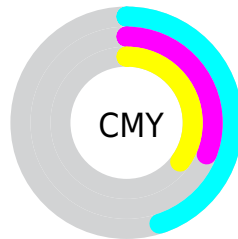


Cyan (21%)

Magenta (0%)

Yellow (6%)

Black (31%)



Cyan (45%)

Magenta (31%)


Yellow (35%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 14.887, 174.189 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, 14.887, 174.189 by changing the saturation by 10% instead.




 69, 14.887,  
174.189


 69, 14.887,  
174.189


 100, 14.887,  
174.189


 59, 14.887,  
174.189


 89, 14.887,  
174.189

 49, 14.887,  
174.189

 99, 14.887,  
174.189

 39, 14.887,  
174.189

 29, 14.887,  
174.189

 19, 14.887,  
174.189

 9, 14.887, 174.189

 0, 14.887, 174.189

69, 14.887,  
174.189

69, 14.887,  
174.189

68, 21.642,  
173.118

70, 7.880, 175.192

67, 28.028,  
171.959

72, 0.721, 176.656

73, 6.505, 356.845

66, 33.928,  
170.686

75, 13.725,  
357.695

65, 39.232,  
169.276

77, 20.888,  
358.481

65, 43.850,  
167.705

79, 27.953,  
359.225

64, 47.734,  
165.950


80, 32.308,  
357.655

64, 50.893,  
163.999

80, 33.288,  
353.186

64, 53.281,

162.147

 80, 34.475,  
349.018

# Harmonies

# Complementary

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



69, 14.887, 174.189



62, 15.820, 358.256

# Rectangle

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



69, 14.887, 174.189



69, 14.887, 224.189



69, 14.887, 354.189



69, 14.887, 44.189

# Sweetspot

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



69, 14.888, 174.186



90, 5.343, 175.692



69, 22.615, 134.791



48, 3.539, 175.625



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, 14.888, 174.186



87, 21.835, 173.722



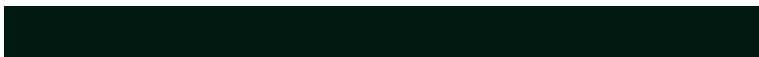
67, 11.121, 220.290



37, 4.103, 175.359



56, 47.823, 162.411



7, 10.654, 169.408



# Inverse Universe

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



62, 15.820, 358.256



76, 23.518, 358.804



63, 12.757, 39.164



35, 4.215, 356.955



32, 59.675, 20.430



2, 9.692, 1.014



# Previews

## White Background



This preview shows how the CIELCh color 69, 14.887, 174.189 looks on a white background.

## Color Contrast Check

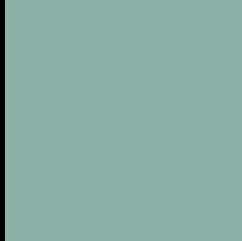
Large Text (above 18pt) WCAG AA × Fail

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, 14.887, 174.189 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

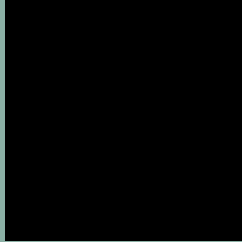
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 69, 14.887, 174.189**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 69, 14.887, 174.189.

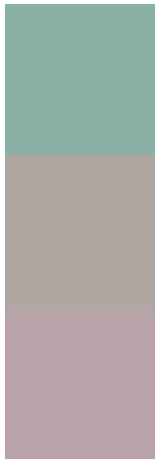


This preview shows how white text looks on a background with the CIELCh color 69, 14.887, 174.189.

# 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, 14.887, 174.189

**Protanopia**  
69, 4.463, 78.477

**Deuteranopia**  
69, 8.518, 1.427





**Tritanopia**  
69, 12.715, 236.141

# Trichromacy



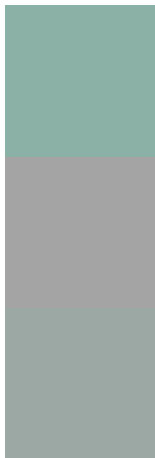
**Original Color**  
69, 14.887, 174.189

**Protanomaly**  
69, 5.589, 147.347

**Deuteranomaly**  
69, 0.540, 110.018

**Tritanomaly**  
69, 11.547, 212.376

# Monochromacy



**Original Color**  
69, 14.887, 174.189

**Achromatopsia**  
67, 0.008, 296.813

**Achromatomaly**  
68, 5.374, 174.809

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 14.887, 174.189 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(139, 176, 165)` looks like.

```
.text, #text, p{  
    color:rgb(139, 176, 165)  
}
```

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(139, 176, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 176, 165) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 14.887, 174.189 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(139, 176, 165) }
```

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

```
.border{ border-color:rgb(139, 176, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 176, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 176, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 176, 165);  
box-shadow:4px 4px 4px 4px rgb(139, 176,  
165) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 14.887, 174.189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 176, 165) }
```

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

```
.background{ background-color: rgb(139,  
176, 165) }
```

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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