

# Converting Colors

CIELCh(64, 13.519, 171.177)

Have a look what the booklet for  
CIELCh(64, 13.519, 171.177)  
contains.

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# **Color**

**CIELCh(64, 13.505, 171.189)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82A297
RGB	130, 162, 151
RGB Percent	51%, 64%, 59%
CMY	0.4903, 0.3649, 0.4080
CMYK	0.20, 0.00, 0.07, 0.36
HSL	159°, 15%, 57%
HSV	159°, 20%, 64%
XYZ	27.6954, 32.8017, 34.1325
YIQ	151.1780, -15.5410, -10.2050

# Conversions

## Conversions Part 2

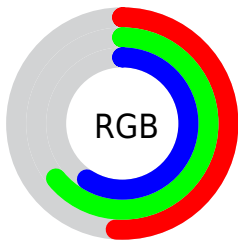
<b>Format</b>	<b>Color</b>
<b>RYB</b>	130, 149, 162
Decimal	8561303
CIELab	64.00, -13.35, 2.07
CIELCh	64, 13.505, 171.189
Yxy	32.8017, 0.2927, 0.3466
Android (android.graphics.Color)	4286751383 (0xFF82A297)
YUV	151.1780, -0.0878, -18.5731
Hunter-Lab	57.2727, -13.9099, 4.7562

# Details

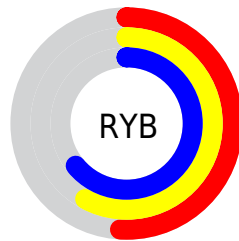
The CIELCh color **64, 13.505, 171.189** is a light color, and the websafe version is hex **669999**. A complement of this color would be **58, 14.164, 354.913**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 13.718, 170.968**, and **44, 13.383, 171.195** is the 20% darker color. If you saturate the color by 10%, you get **63, 20.101, 170.127**, and if you desaturate by 10%, it is **65, 6.718, 172.181**.

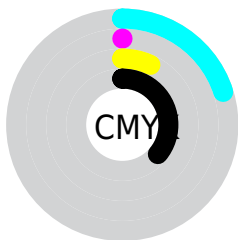
# Distribution



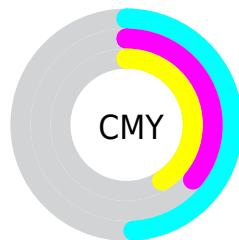
- Red (51%)
- Green (64%)
- Blue (59%)



- Red (51%)
- Yellow (58%)
- Blue (64%)



- Cyan (20%)
- Magenta (0%)
- Yellow (7%)
- Black (36%)




- Cyan (49%)
- Magenta (36%)
- Yellow (41%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 13.505, 171.189 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 64, 13.505, 171.189 by changing the saturation by 10% instead.




 64, 13.505,  
171.189


 64, 13.505,  
171.189


 100, 13.505,  
171.189


 54, 13.505,  
171.189


 84, 13.505,  
171.189

 44, 13.505,  
171.189

 94, 13.505,  
171.189

 34, 13.505,  
171.189

 24, 13.505,  
171.189

 14, 13.505,  
171.189

 4, 13.505, 171.189

 0, 13.505, 171.189

64, 13.505,  
171.189

64, 13.505,  
171.189

63, 20.101,  
170.127

65, 6.718, 172.181

62, 26.398,  
168.971

67, 0.172, 350.723

68, 7.087, 353.798

61, 32.284,  
167.695

70, 13.965,  
354.613

60, 37.652,  
166.275

71, 20.761,  
355.366

60, 42.411,  
164.688

73, 27.441,  
356.078

59, 46.503,  
162.912

75, 33.984,  
356.755


59, 49.921,  
160.936

77, 38.866,  
356.075

59, 52.827,

158.843

 77, 39.945,  
352.120

 59, 52.896,  
158.794

# Harmonies

# Complementary

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



64, 13.505, 171.189



58, 14.164, 354.913

# Rectangle

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



64, 13.505, 171.189



64, 13.505, 221.189



64, 13.505, 351.189



64, 13.505, 41.189

# Sweetspot

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



64, 13.506, 171.186



84, 5.143, 172.549



64, 19.573, 133.276



45, 3.438, 172.486



93, 0.011, 296.813



45, 0.006, 296.813





# Same Dimension

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



64, 13.506, 171.186



81, 20.298, 170.698



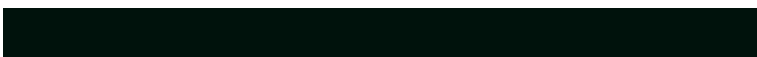
63, 10.100, 214.103



34, 3.919, 172.229



53, 48.679, 159.017



4, 6.363, 169.335



# Inverse Universe

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



58, 14.164, 354.913



71, 21.540, 355.462



59, 11.511, 34.007



32, 4.009, 353.789



30, 56.398, 15.894

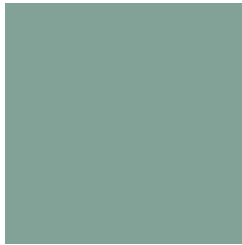


1, 6.028, 355.169



# Previews

## White Background



This preview shows how the CIELCh color 64, 13.505, 171.189 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 64, 13.505, 171.189 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

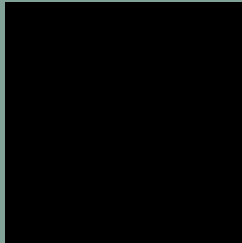
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

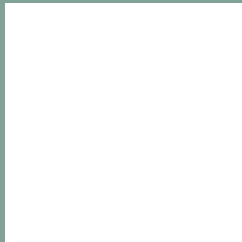
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 64, 13.505, 171.189**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 64, 13.505, 171.189.

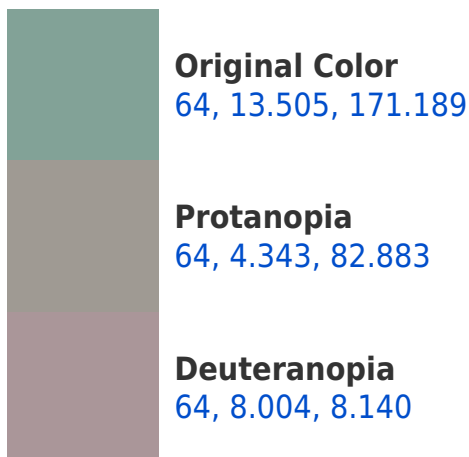


This preview shows how white text looks on a background with the CIELCh color 64, 13.505, 171.189.

# 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







**Tritanopia**  
64, 11.248, 239.137

# Trichromacy



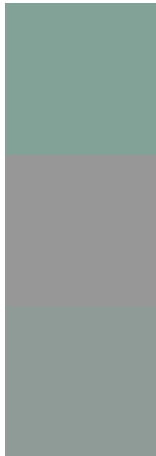
**Original Color**  
64, 13.505, 171.189

**Protanomaly**  
64, 6.127, 144.157

**Deuteranomaly**  
64, 1.168, 90.723

**Tritanomaly**  
64, 9.937, 211.650

# Monochromacy



**Original Color**  
64, 13.505, 171.189

**Achromatopsia**  
62, 0.008, 296.813

**Achromatomaly**  
63, 5.113, 173.077

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 64, 13.505, 171.189 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(130, 162, 151)` looks like.

```
.text, #text, p{  
    color:rgb(130, 162, 151)  
}
```

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(130, 162, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 162, 151) }
```

## Border

The CSS property to change the border of an element to CIELCh 64, 13.505, 171.189 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(130, 162, 151) }
```

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

```
.border{ border-color:rgb(130, 162, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 162, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 162, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 162, 151);  
box-shadow:4px 4px 4px 4px rgb(130, 162,  
151) }
```

# Background

The CSS property to change the background color of an element to CIELCh 64, 13.505, 171.189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 162, 151) }
```

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

```
.background{ background-color: rgb(130,  
162, 151) }
```

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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