

# Converting Colors

CIELCh(65, 22.102, 131.093)

Have a look what the booklet for  
CIELCh(65, 22.102, 131.093)  
contains.

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# Color

**CIELCh(65, 21.570, 130.973)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FA480
RGB	143, 164, 128
RGB Percent	56%, 64%, 50%
CMY	0.4384, 0.3560, 0.4973
CMYK	0.13, 0.00, 0.22, 0.36
HSL	95°, 17%, 57%
HSV	95°, 22%, 64%
XYZ	28.5852, 34.0472, 25.5560
YIQ	153.6170, -0.9600, -15.6480

# Conversions

## Conversions Part 2

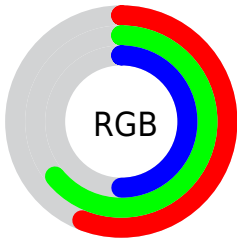
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 164, 149
Decimal	9413760
CIELab	65.00, -14.14, 16.29
CIELCh	65, 21.570, 130.973
Yxy	34.0472, 0.3241, 0.3861
Android (android.graphics.Color)	4287603840 (0xFF8FA480)
YUV	153.6170, -12.6292, -9.3111
Hunter-Lab	58.3500, -14.6667, 14.8773

# Details

The CIELCh color **65, 21.570, 130.973** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **57, 22.092, 312.866**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 21.545, 131.024**, and **45, 21.305, 131.420** is the 20% darker color. If you saturate the color by 10%, you get **64, 31.354, 130.493**, and if you desaturate by 10%, it is **66, 11.720, 131.436**.

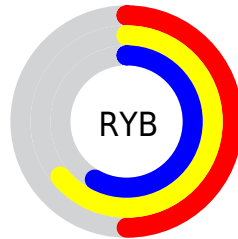
# Distribution



Red (56%)

Green (64%)

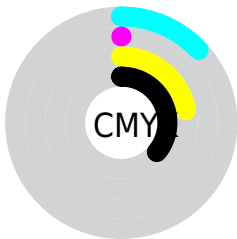
Blue (50%)



Red (50%)

Yellow (64%)

Blue (58%)

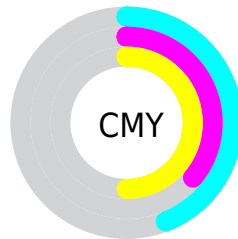


Cyan (13%)

Magenta (0%)

Yellow (22%)

Black (36%)



Cyan (44%)

Magenta (36%)


Yellow (50%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 21.570, 130.973 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 65, 21.570, 130.973 by changing the saturation by 10% instead.





 65, 21.570,  
130.973


 65, 21.570,  
130.973


 100, 21.570,  
130.973


 55, 21.570,  
130.973


 85, 21.570,  
130.973

 45, 21.570,  
130.973

 95, 21.570,  
130.973

 35, 21.570,  
130.973

 25, 21.570,  
130.973

 15, 21.570,  
130.973

 5, 21.570, 130.973

 0, 21.570, 130.973

65, 21.570,  
130.973

65, 21.570,  
130.973

64, 31.354,  
130.493

66, 11.720,  
131.436

63, 40.947,  
130.011

67, 1.883, 131.916

62, 50.182,  
129.565

68, 7.878, 312.218

62, 58.821,  
129.214

70, 17.522,  
312.573

61, 66.537,  
129.050

71, 27.017,  
312.883

61, 72.930,  
129.189

73, 36.345,  
313.156

60, 77.623,  
129.749

74, 45.491,  
313.396

60, 80.404,

75, 52.223,  
314.495

130.396

 76, 53.212,  
317.848

# Harmonies

# Complementary

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



65, 21.570, 130.973



57, 22.092, 312.866

# Rectangle

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



65, 21.570, 130.973



65, 21.570, 180.973



65, 21.570, 310.973



65, 21.570, 0.973

# Sweetspot

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



65, 21.572, 130.975



85, 8.523, 131.651



63, 13.273, 81.079



45, 5.529, 131.627



93, 0.011, 296.813



45, 0.006, 296.813





# Same Dimension

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



65, 21.572, 130.975



82, 31.739, 130.757



64, 23.145, 145.338



34, 5.524, 131.556



53, 73.395, 130.237



4, 8.685, 133.233



# Inverse Universe

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



57, 22.092, 312.866



70, 32.672, 313.077



58, 23.176, 328.000



32, 5.586, 312.296



24, 80.498, 314.169



1, 8.492, 310.057



# Previews

## White Background



This preview shows how the CIELCh color 65, 21.570, 130.973 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 65, 21.570, 130.973 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

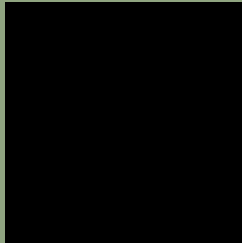
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 65, 21.570, 130.973

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 21.570, 130.973.

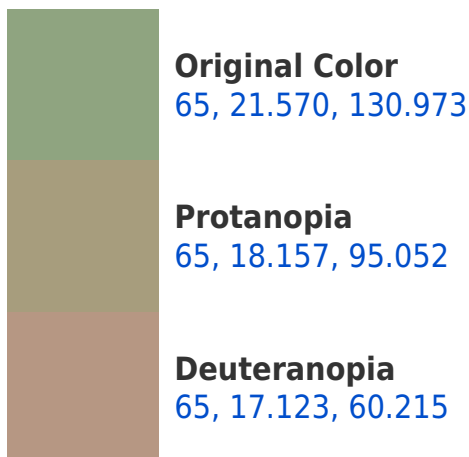


This preview shows how white text looks on a background with the CIELCh color 65, 21.570, 130.973.

# 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**  
65, 7.735, 268.801

# Trichromacy



**Original Color**  
65, 21.570, 130.973

**Protanomaly**  
65, 18.738, 110.670

**Deuteranomaly**  
65, 15.219, 89.693

**Tritanomaly**  
65, 5.366, 167.823

# Monochromacy



**Original Color**  
65, 21.570, 130.973

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
64, 7.888, 132.674

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 21.570, 130.973 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(143, 164, 128)` looks like.

```
.text, #text, p{  
    color:rgb(143, 164, 128)  
}
```

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(143, 164, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 164, 128) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 21.570, 130.973 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(143, 164, 128) }
```

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

```
.border{ border-color:rgb(143, 164, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 164, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 164, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 164, 128);  
box-shadow:4px 4px 4px 4px rgb(143, 164,  
128) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 21.570, 130.973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 164, 128) }
```

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

```
.background{ background-color: rgb(143,  
164, 128) }
```

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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