

# Converting Colors

CIELCh(72, 24.162, 145.963)

Have a look what the booklet for  
CIELCh(72, 24.162, 145.963)  
contains.

<b>CIELCh(72, 24.162, 145.963)</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(72, 24.162, 145.963)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93BA97
RGB	147, 186, 151
RGB Percent	58%, 73%, 59%
CMY	0.4228, 0.2698, 0.4071
CMYK	0.21, 0.00, 0.19, 0.27
HSL	126°, 22%, 65%
HSV	126°, 21%, 73%
XYZ	35.2660, 43.6590, 35.9248
YIQ	170.3490, -12.0090, -19.1530

# Conversions

## Conversions Part 2

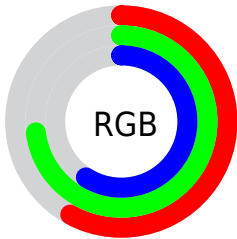
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">147, 182, 186</a>
Decimal	<a href="#">9681559</a>
CIELab	<a href="#">72.00, -20.02, 13.52</a>
CIElCh	<a href="#">72, 24.162, 145.963</a>
Yxy	<a href="#">43.6590, 0.3071, 0.3801</a>
Android (android.graphics.Color)	<a href="#">4287871639 (0xFF93BA97)</a>
YUV	<a href="#">170.3490, -9.5391, -20.4771</a>
Hunter-Lab	<a href="#">66.0750, -20.3610, 14.0167</a>

# Details

The CIELCh color **72, 24.162, 145.963** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **66, 24.204, 328.547**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 24.239, 146.101**, and **52, 24.288, 145.626** is the 20% darker color. If you saturate the color by 10%, you get **71, 35.674, 145.115**, and if you desaturate by 10%, it is **74, 12.580, 146.697**.

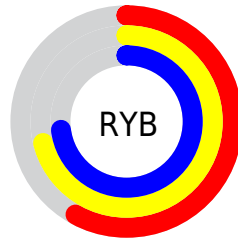
# Distribution



Red (58%)

Green (73%)

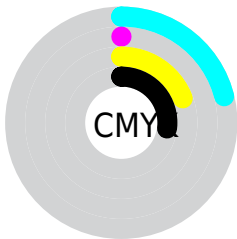
Blue (59%)



Red (58%)

Yellow (71%)

Blue (73%)

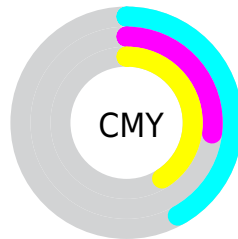


Cyan (21%)

Magenta (0%)

Yellow (19%)

Black (27%)



Cyan (42%)

Magenta (27%)

Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 24.162, 145.963 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 72, 24.162, 145.963 by changing the saturation by 10% instead.





 72, 24.162,  
145.963


 72, 24.162,  
145.963


 100, 24.162,  
145.963

 62, 24.162,  
145.963


 92, 24.162,  
145.963

 52, 24.162,  
145.963

 42, 24.162,  
145.963

 32, 24.162,  
145.963

 22, 24.162,  
145.963

 12, 24.162,  
145.963

 2, 24.162, 145.963

0, 24.162, 145.963

72, 24.162,  
145.963

72, 24.162,  
145.963

71, 35.674,  
145.115

74, 12.580,  
146.697

69, 46.910,  
144.135

75, 1.077, 147.543

68, 57.626,  
143.017

77, 10.234,  
327.798

67, 67.533,  
141.769

79, 21.275,  
328.265

67, 76.309,  
140.431

82, 31.999,  
328.661

66, 83.617,  
139.074

84, 41.654,  
327.378

■ 66, 89.136,  
137.814

■ 84, 43.126,  
325.919

■ 66, 92.486,  
136.934

# Harmonies

# Complementary

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



72, 24.162, 145.963



66, 24.204, 328.547

# Rectangle

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



72, 24.162, 145.963



72, 24.162, 195.963



72, 24.162, 325.963



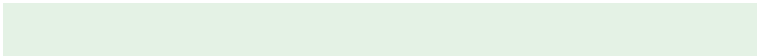
72, 24.162, 15.963

# Sweetspot

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



72, 24.164, 145.963



94, 8.505, 147.026



74, 20.948, 112.416



50, 5.691, 146.982



98, 0.011, 296.813



51, 0.007, 296.813



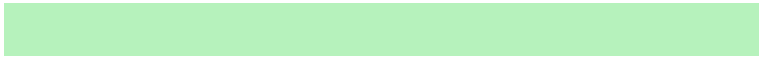


# Same Dimension

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



72, 24.164, 145.963



90, 35.719, 145.600



72, 16.673, 167.490



39, 6.575, 146.806



57, 81.674, 137.073



9, 20.629, 146.358



# Inverse Universe

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



66, 24.204, 328.547



81, 35.772, 328.811



65, 17.366, 351.414



37, 6.588, 327.859



36, 74.673, 332.725

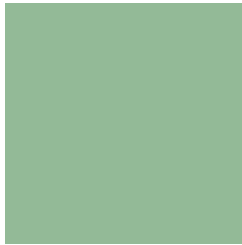


3, 19.423, 329.385



# Previews

## White Background



This preview shows how the CIELCh color 72, 24.162, 145.963 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 72, 24.162, 145.963 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

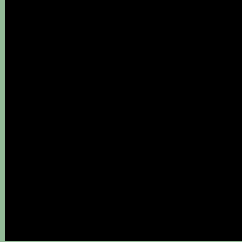
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 72, 24.162, 145.963**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 72, 24.162, 145.963.



This preview shows how white text looks on a background with the CIELCh color 72, 24.162, 145.963.

# 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

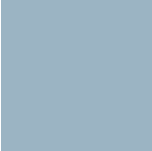


**Original Color**  
72, 24.162, 145.963

**Protanopia**  
72, 16.728, 94.662

**Deuteranopia**  
72, 14.906, 53.103





**Tritanopia**  
72, 11.729, 243.264

# Trichromacy



**Original Color**  
72, 24.162, 145.963

**Protanomaly**  
72, 17.579, 118.812

**Deuteranomaly**  
72, 12.078, 99.604

**Tritanomaly**  
72, 10.943, 189.934

# Monochromacy



**Original Color**  
72, 24.162, 145.963

**Achromatopsia**  
70, 0.009, 296.813

**Achromatomaly**  
71, 9.125, 147.819

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 24.162, 145.963 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(147, 186, 151)` looks like.

```
.text, #text, p{  
    color:rgb(147, 186, 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(147, 186, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 186, 151) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 24.162, 145.963 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(147, 186, 151) }
```

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

```
.border{ border-color:rgb(147, 186, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 186, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 186, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 186, 151);  
box-shadow:4px 4px 4px 4px rgb(147, 186,  
151) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 24.162, 145.963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 186, 151) }
```

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

```
.background{ background-color: rgb(147,  
186, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor